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THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

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

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

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates

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

Code Numerals

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

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

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

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

Avis

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

Dates

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

Chiffres de code

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

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

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

Avis

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

Voluntary Licences

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

Compulsory Licences

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

6. Octroi de licences en vertu des brevets

Licences librement accordées

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

Licences obligatoires

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

10. Language of Published Documents

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

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

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

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

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

9. Demandes mises à la disponibilité du public

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

10. Langue du document publié

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

5. Handling fee (Rule 57.2(a))	\$295
6. Preliminary examination fee (Rule 58)	\$800

* International fees will be reduced by:

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

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. Taxe pour paiement tardif

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

Preliminary Examination

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 \$

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

Web Link for MOPOP:

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

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

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

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

Publication date: May 10, 2017

Amendment date: June 17, 2019

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

14. Procédures de correspondance

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

Lien Web pour le RPBB :

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

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

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

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

Sur cette page :

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the [Fee Payment Form](#).

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

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

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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,

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open for business.

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

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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

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accessing the following pages:

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

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

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

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

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

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

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

Copyright

Droits d'auteur

Notices

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

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

Topographies de circuits intégrés

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

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

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Avis

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

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

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

Notices

4. General Information

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

5. Time Period Extensions

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

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

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

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

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

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

4. Renseignements généraux

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé™, ou par Xpresspost™ 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

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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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

Notices

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

Avis

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of April 19, 2022 contains applications open to public inspection from April 3, 2022 to April 9, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 19 avril 2022 contient les demandes disponibles au public pour consultation pour la période du 3 avril 2022 au 9 avril 2022.

Canadian Patents Issued

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<p>[11] 2,870,316 [13] C</p> <p>[51] Int.Cl. A61K 31/724 (2006.01) A61P 3/06 (2006.01)</p> <p>[25] EN</p> <p>[54] HYDROXYPROPYL BETA CYCLODEXTRIN IN THE TREATMENT OF A PROTEINURIC GLOMERULAR DISEASE</p> <p>[54] HYDROXYPROPYLE BETA CYCLODEXTRINE DANS LE TRAITEMENT D'UNE MALADIE GLOMERULAIRE</p> <p>[72] FORNONI, ALESSIA, US [72] MERSCHER-GOMEZ, SANDRA, US [73] L&F RESEARCH LLC, US [85] 2014-10-10 [86] 2013-04-12 (PCT/US2013/036484) [87] (WO2013/155485) [30] US (61/624,087) 2012-04-13</p>	<p>[11] 2,873,376 [13] C</p> <p>[51] Int.Cl. G01N 33/50 (2006.01) G01N 33/68 (2006.01)</p> <p>[25] FR</p> <p>[54] METHODS FOR DECONTAMINATING CIRCUITS FOR PRODUCING GLUCOSE POLYMERS AND HYDROLYSATES OF GLUCOSE POLYMERS</p> <p>[54] METHODES DE DECONTAMINATION DES CIRCUITS DE PRODUCTION DE POLYMERES DE GLUCOSE ET D'HYDROLYSATS DE POLYMERES DE GLUCOSE</p> <p>[72] DUVET, SOPHIE, FR [72] HACINE-GHERBI, HEILA, FR [72] LANOS, PIERRE, FR [72] ALLAIN, FABRICE, FR [72] CARPENTIER, MATHIEU, FR [72] DENYS, AGNES, FR [73] ROQUETTE FRERES, FR [85] 2014-11-12 [86] 2013-05-28 (PCT/FR2013/051181) [87] (WO2013/178931) [30] FR (1254935) 2012-05-29 [30] FR (1256848) 2012-07-16 [30] FR (1259923) 2012-10-18 [30] FR (1350353) 2013-01-16 [30] FR (1352748) 2013-03-27</p>	<p>[11] 2,874,470 [13] C</p> <p>[51] Int.Cl. A01H 6/54 (2018.01) C12Q 1/6895 (2018.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) C12N 15/82 (2006.01)</p> <p>[25] EN</p> <p>[54] HAPLOTYPES ASSOCIATED WITH IMPROVED DICAMBA TOLERANCE AND GLYPHOSATE TOLERANCE IN TRANSGENIC SOYBEAN PLANTS</p> <p>[54] HAPLOTYPES ASSOCIES A UNE TOLERANCE AU DICAMBA AMELIOREE ET A UNE TOLERANCE AU GLYPHOSATE AMELIOREE DANS LES PLANTS DE SOYA TRANSGENIQUES</p> <p>[72] DEVRIES GELDER, MINDY L., US [72] FENG, PAUL, US [72] GILSINGER, JESSE J., US [72] HANCOCK, FLOYD G., US [72] HUSIC, IVAN, US [72] NARVEL, JAMES, US [72] SCHERDER, CURTIS W., US [72] ULRICH, DEAN A., US [73] MONSANTO TECHNOLOGY LLC, US [85] 2014-11-21 [86] 2013-05-23 (PCT/US2013/042349) [87] (WO2013/177356) [30] US (61/650,869) 2012-05-23 [30] US (61/650,852) 2012-05-23 [30] US (61/753,725) 2013-01-17 [30] US (61/753,693) 2013-01-17 [30] US (61/779,739) 2013-03-13</p>

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<p>[11] 2,875,347 [13] C</p> <p>[51] Int.Cl. F04D 25/08 (2006.01) F04D 25/06 (2006.01) F24F 7/007 (2006.01)</p> <p>[25] EN</p> <p>[54] COLUMNAR AIR MOVING DEVICES, SYSTEMS AND METHODS</p> <p>[54] DISPOSITIFS, SYSTEMES ET PROCEDES DE DEPLACEMENT D'AIR EN COLONNE</p> <p>[72] AVEDON, RAYMOND B., US</p> <p>[73] AIRIUS IP HOLDINGS, LLC, US</p> <p>[86] (2875347)</p> <p>[87] (2875347)</p> <p>[22] 2014-12-18</p> <p>[30] US (61/918,602) 2013-12-19</p>

<p>[11] 2,877,660 [13] C</p> <p>[51] Int.Cl. A63B 69/00 (2006.01) A63B 21/02 (2006.01)</p> <p>[25] EN</p> <p>[54] TRAINING APPARATUS FOR ATHLETES AND OTHERS</p> <p>[54] APPAREIL D'ENTRAINEMENT POUR LES ATHLETES ET AUTRES</p> <p>[72] ANTOINE, JUSTIN DOUGLAS, CA</p> <p>[73] ANTOINE, JUSTIN DOUGLAS, CA</p> <p>[86] (2877660)</p> <p>[87] (2877660)</p> <p>[22] 2015-01-13</p> <p>[30] CA (2,839,926) 2014-01-17</p>
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<p>[11] 2,878,662 [13] C</p> <p>[51] Int.Cl. H04L 12/12 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR WAKING UP A DISTANT DEVICE FROM A LOCAL DEVICE</p> <p>[54] PROCEDE DE REVEIL D'UN DISPOSITIF DISTANT A PARTIR D'UN DISPOSITIF LOCAL</p> <p>[72] GUICHARD, FLORENT, FR</p> <p>[72] GREGOIRE, CHRISTIAN, FR</p> <p>[72] THEBAUD, JACQUES, FR</p> <p>[73] SERCEL, FR</p> <p>[86] (2878662)</p> <p>[87] (2878662)</p> <p>[22] 2015-01-15</p> <p>[30] EP (14305116.7) 2014-01-29</p>

<p>[11] 2,881,236 [13] C</p> <p>[51] Int.Cl. G01N 21/55 (2014.01) B64D 15/20 (2006.01) H01L 31/042 (2014.01)</p> <p>[25] EN</p> <p>[54] REFLECTIVE MATERIAL SENSOR</p> <p>[54] CAPTEUR DE MATERIAU REFLECHISSANT</p> <p>[72] BAIRD, HAROLD RUSSELL, US</p> <p>[72] ADLER, JEFFREY SCOTT, CA</p> <p>[73] BAIRD, HAROLD RUSSELL, US</p> <p>[73] ADLER, JEFFREY SCOTT, CA</p> <p>[85] 2015-02-06</p> <p>[86] 2013-08-07 (PCT/CA2013/000698)</p> <p>[87] (WO2014/022917)</p> <p>[30] US (13/507,956) 2012-08-09</p>

<p>[11] 2,882,637 [13] C</p> <p>[51] Int.Cl. F25D 11/02 (2006.01)</p> <p>[25] EN</p> <p>[54] SMART STORAGE OF TEMPERATURE SENSITIVE PHARMACEUTICALS</p> <p>[54] STOCKAGE INTELLIGENT DE PRODUITS PHARMACEUTIQUES SENSIBLES A LA TEMPERATURE</p> <p>[72] MANNING, ROBERT JAMES, US</p> <p>[72] BAKER, EUGENE ABRAHAM, US</p> <p>[73] TRUMED SYSTEMS, INC., US</p> <p>[85] 2015-02-20</p> <p>[86] 2013-08-23 (PCT/US2013/056425)</p> <p>[87] (WO2014/031976)</p> <p>[30] US (61/692,659) 2012-08-23</p>

<p>[11] 2,883,057 [13] C</p> <p>[51] Int.Cl. H04L 12/16 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM FOR SUGGESTING NETWORK RESOURCE FOR USE BY A NETWORK TERMINAL BASED ON NETWORK RESOURCE RANKING</p> <p>[54] PROCEDE DE SUGGESTION D'UNE RESSOURCE RESEAU UTILISEE PAR UN TERMINAL RESEAU FONDÉE SUR LE CLASSEMENT DE LA RESSOURCE RESEAU</p> <p>[72] BURNS, MARK, CA</p> <p>[72] ST. LAURENT, MICHAEL, CA</p> <p>[72] KRISHNAMMAGARU, DHARMESH, CA</p> <p>[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US</p> <p>[86] (2883057)</p> <p>[87] (2883057)</p> <p>[22] 2015-02-26</p> <p>[30] US (14/200,558) 2014-03-07</p>
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<p>[11] 2,886,788 [13] C</p> <p>[51] Int.Cl. A61K 31/78 (2006.01) A61K 31/7004 (2006.01) A61K 33/06 (2006.01) A61P 9/12 (2006.01) A61P 13/12 (2006.01)</p> <p>[25] EN</p> <p>[54] POTASSIUM-BINDING AGENTS FOR TREATING HYPERTENSION AND HYPERKALEMIA</p> <p>[54] AGENTS DE LIAISON AU POTASSIUM POUR TRAITER L'HYPERTENSION ET L'HYPERKALIEMIE</p> <p>[72] KLAERNER, GERRIT, US</p> <p>[72] BERMAN, LANCE, US</p> <p>[73] VIFOR PHARMA TECHNOLOGY LTD., CH</p> <p>[85] 2015-03-31</p> <p>[86] 2013-10-08 (PCT/US2013/063921)</p> <p>[87] (WO2014/058905)</p> <p>[30] US (61/711,184) 2012-10-08</p>	<p>[11] 2,889,079 [13] C</p> <p>[51] Int.Cl. E21B 49/00 (2006.01) E21B 47/003 (2012.01) G06F 17/10 (2006.01)</p> <p>[25] EN</p> <p>[54] GROWTH FUNCTIONS FOR MODELING OIL PRODUCTION</p> <p>[54] FONCTIONS DE CROISSANCE SERVANT A MODELISER LA PRODUCTION D'HUILE</p> <p>[72] KLINE, HECTOR M., US</p> <p>[73] CONOCOPHILLIPS COMPANY, US</p> <p>[86] (2889079)</p> <p>[87] (2889079)</p> <p>[22] 2015-04-20</p> <p>[30] US (61/983,758) 2014-04-24</p> <p>[30] US (14/685,249) 2015-04-13</p>	<p>[11] 2,893,454 [13] C</p> <p>[51] Int.Cl. C11D 3/386 (2006.01) C11D 3/48 (2006.01)</p> <p>[25] EN</p> <p>[54] WASHING METHOD FOR TEXTILES</p> <p>[54] METHODE DE LAVAGE POUR TEXTILES</p> <p>[72] GORI, KLAUS, DK</p> <p>[72] BALTSSEN, LILIAN EVA TANG, DK</p> <p>[72] ALLESEN-HOLM, MARIE, DK</p> <p>[73] NOVOZYMES A/S, DK</p> <p>[85] 2015-06-01</p> <p>[86] 2013-12-09 (PCT/EP2013/075922)</p> <p>[87] (WO2014/087011)</p> <p>[30] EP (12196059.5) 2012-12-07</p>
<p>[11] 2,891,753 [13] C</p> <p>[51] Int.Cl. B60K 11/02 (2006.01) B60K 1/00 (2006.01) B60P 1/28 (2006.01)</p> <p>[25] EN</p> <p>[54] WORK MACHINE, IN PARTICULAR DUMP TRUCK OR TRUCK</p> <p>[54] MACHINE DE TRAVAIL, EN PARTICULIER UN CAMION A BENNE OU UN CAMION</p> <p>[72] HOFFMANN, SEBASTIEN NICOLAS, FR</p> <p>[72] KUGELSTADT, KAI, DE</p> <p>[72] RICHTHAMMER, BURKHARD, DE</p> <p>[73] LIEBHERR-MINING EQUIPMENT COLMAR SAS, FR</p> <p>[86] (2891753)</p> <p>[87] (2891753)</p> <p>[22] 2015-05-19</p> <p>[30] DE (10 2014 008 345.4) 2014-06-05</p>	<p>[11] 2,894,824 [13] C</p> <p>[51] Int.Cl. C12N 1/20 (2006.01) A01C 3/00 (2006.01) C02F 3/34 (2006.01)</p> <p>[25] EN</p> <p>[54] NEW BACTERIA AND CONSORTIA FOR THE REDUCTION OF AMMONIA AND/OR METHANE EMISSION IN MANURE OR SOIL</p> <p>[54] NOUVELLES BACTERIES ET CONSORTIA POUR LA REDUCTION D'EMISSION D'AMMONIAC ET/OU DE METHANE DANS LE FUMIER OU LE SOL</p> <p>[72] JOUSTRA, RINZE, NL</p> <p>[73] RINAGRO B.V., NL</p> <p>[85] 2015-06-11</p> <p>[86] 2013-12-23 (PCT/NL2013/050949)</p> <p>[87] (WO2014/104883)</p> <p>[30] NL (2010074) 2012-12-31</p>	

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 [25] EN
 [54] COMPOSITIONS AND METHODS
 FOR THE IDENTIFICATION AND
 ISOLATION OF CELL-
 MEMBRANE PROTEIN SPECIFIC
 BINDING MOIETIES
 [54] COMPOSITIONS ET METHODES
 POUR IDENTIFIER ET ISOLER
 DES FRAGMENTS DE LIAISON
 SPECIFIQUES DE PROTEINES DE
 MEMBRANES CELLULAIRES
 [72] WEINER, MICHAEL, US
 [72] KISS, MARGARET, US
 [73] AXIOMX, INC., US
 [85] 2015-06-18
 [86] 2013-12-19 (PCT/US2013/076580)
 [87] (WO2014/100419)
 [30] US (61/740,375) 2012-12-20

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 19/00 (2011.01)
 [25] EN
 [54] SYSTEM AND METHOD FOR
 CUSTOM FORMING A
 PROTECTIVE HELMET FOR A
 CUSTOMER'S HEAD
 [54] SYSTEME ET PROCEDE POUR
 FORMER SUR MESURE UN
 CASQUE DE PROTECTION POUR
 LA TETE D'UN CLIENT
 [72] PIETRZAK, CHRISTOPHER T., US
 [72] LOWE, MICHAEL W., US
 [73] BELL SPORTS, INC., US
 [85] 2015-07-17
 [86] 2014-01-16 (PCT/US2014/011877)
 [87] (WO2014/113581)
 [30] US (61/754,469) 2013-01-18
 [30] US (61/812,666) 2013-04-16
 [30] US (61/875,603) 2013-09-09
 [30] US (61/883,087) 2013-09-26
 [30] US (14/156,269) 2014-01-15

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 [13] C

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 H01M 6/02 (2006.01)
 [25] EN
 [54] METHOD AND DEVICE FOR
 CONDUCTING COMMERCIAL
 BLASTING OPERATIONS
 [54] PROCEDE ET DISPOSITIF POUR
 MENER DES OPERATIONS
 COMMERCIALES DE
 DETONATION
 [72] GOODRIDGE, RICHARD, US
 [72] HORNE, MICHAEL, AU
 [72] KOTSONIS, STEVEN, AU
 [73] ORICA INTERNATIONAL PTE LTD,
 SG
 [85] 2015-08-18
 [86] 2014-02-19 (PCT/AU2014/000144)
 [87] (WO2014/127412)
 [30] US (61/767,005) 2013-02-20

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 [13] C

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 [25] FR
 [54] METHOD AND DEVICE FOR
 REGULATING THE COOLING OF
 OIL IN A TURBOMACHINE
 [54] PROCEDE ET DISPOSITIF DE
 REGULATION DE
 REFROIDISSEMENT D'HUILE
 D'UNE TURBOMACHINE
 [72] GAMEIRO, SEBASTIEN, FR
 [72] ANDRE, BRICE, FR
 [72] MATHON MARGUERITE,
 GUILLAUME, FR
 [72] POTEL, NICOLAS, FR
 [73] SNECMA, FR
 [85] 2015-08-24
 [86] 2014-02-24 (PCT/FR2014/050382)
 [87] (WO2014/131973)
 [30] FR (1351733) 2013-02-27

[11] **2,901,700**
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 [25] EN
 [54] SYSTEMS AND METHODS FOR
 RECOVERING ENERGY FROM
 WASTEWATER
 [54] SYSTEMES ET PROCEDES DE
 RECUPERATION D'ENERGIE A
 PARTIR DES EAUX USEES
 [72] GIRALDO, EUGENIO, US
 [72] KNOWLES, PAUL, US
 [73] NATURAL SYSTEMS UTILITIES,
 LLC, US
 [85] 2015-08-18
 [86] 2014-02-19 (PCT/US2014/017151)
 [87] (WO2014/130545)
 [30] US (61/766,302) 2013-02-19

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[51] Int.Cl. G02B 6/38 (2006.01)
 [25] EN
 [54] FEMALE HARDENED OPTICAL
 CONNECTORS FOR USE WITH
 MALE PLUG CONNECTORS
 [54] CONNECTEURS OPTIQUES
 DURCIS DE TYPE FEMELLE
 DESTINES A ETRE UTILISES
 AVEC DES CONNECTEURS
 MALES
 [72] BARNETTE, ROBERT ELVIN, JR.,
 US
 [72] TRAN, HIEU VINH, US
 [73] CORNING OPTICAL
 COMMUNICATIONS LLC, US
 [85] 2015-08-25
 [86] 2014-02-19 (PCT/US2014/017030)
 [87] (WO2014/133837)
 [30] US (61/769,251) 2013-02-26
 [30] US (13/833,176) 2013-03-15

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[25] EN
[54] DARK STEM CUCUMBER PLANTS
[54] PLANTS DE CONCOMBRE A TIGE SOMBRE
[72] HAARING, CORNELIS, NL
[73] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V., NL
[85] 2015-08-26
[86] 2014-03-11 (PCT/EP2014/054722)
[87] (WO2014/140026)
[30] EP (13158611.7) 2013-03-11
[30] US (13/793,008) 2013-03-11

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[51] Int.Cl. C12N 9/34 (2006.01)
[25] EN
[54] GLUCOAMYLASE VARIANTS AND POLYNUCLEOTIDES ENCODING SAME
[54] VARIANTS DE GLUCOAMYLASE ET POLYNUCLEOTIDES CODANT POUR CES DERNIERS
[72] TSUTSUMI, NORIKO, JP
[72] AYABE, KEIICHI, JP
[72] KISHISHITA, SIIK, DK
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 - [54] PREPARATION PHARMACEUTIQUE COMPRENANT UN COMPOSE D'ACIDE PYRIDYLAMINO-ACETIQUE
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 - [72] SALIMI, MARYAM, CA
 - [73] BARTHOLD, LIONEL O., US
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- [54] MOLD MATERIAL MIXTURE CONTAINING RESOLS AND AMORPHOUS SILICON DIOXIDE, MOLDS AND CORES PRODUCED THEREFROM, AND METHOD FOR THE PRODUCTION THEREOF
- [54] MELANGES DE MATERIAUX DE MOULAGE CONTENANT DES RESOLS ET DU DIOXYDE DE SILICIUM AMORPHE, MOULES ET NOYAUX FABRIQUES A PARTIR DE CES MELANGES ET PROCEDE POUR LES FABRIQUER
- [72] KORSCHGEN, JORG, DE
- [72] PRIEBE, CHRISTIAN, DE
- [72] VACELET, PIERRE-HENRI, FR
- [73] ASK CHEMICALS GMBH, DE
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 - [54] METHOD FOR THE LAYER-WISE BUILDING OF BODIES COMPRISING REFRactory MOLD BASE MATERIAL AND RESOLEs, AND MOLDS OR COREs MANUFACTURED ACCORDING TO SAID METHOD
 - [54] PROCEDE DE FABRICATION PAR COUCHES DE CORPS COMPRENANT UN PRODUIT DE DEPART DE MOULAGE REFRACTAIRE ET DES RESOLS, ET MOULES OU NOYAUX REALISES SELON CE PROCEDE
 - [72] BARTELS, DENNIS, DE
 - [72] GIENIEC, ANTONI, DE
 - [73] ASK CHEMICALS GMBH, DE
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- [25] EN
- [54] METHOD OF MINIMIZING ENZYME BASED AEROSOL MIST USING A PRESSURE SPRAY SYSTEM
- [54] PROCEDE DE MINIMISATION DE BROUILLARD D'AEROSOL A BASE D'ENZYMES AU MOYEN D'UN SYSTEME DE PULVERISATION SOUS PRESSION
- [72] PEITERSEN, NATHAN D., US
- [72] HODGE, CHARLES ALLEN, US
- [72] EVERSON, TERRANCE P., US
- [72] ENGEL, STEPHEN JAMES, US
- [73] ECOLAB USA INC., US
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 [54] SOLUTION AQUEUSE OPHTALMIQUE ET METHODE DE TRAITEMENT DU SYNDROME DE L'ŒIL SEC
 [72] PRINZ, MARTIN, AT
 [73] CROMA-PHARMA GESELLSCHAFT M.B.H., AT
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 [54] A METHOD OF CONVERTING COPPER CONTAINING MATERIAL
 [54] PROCEDE DE CONVERSION DE MATIERE CONTENANT DU CUIVRE
 [72] LAHTINEN, MARKKU, FI
 [72] PIHLASALO, JOUNI, FI
 [72] JAFS, MIKAEL, FI
 [73] OUTOTEC (FINLAND) OY, FI
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 [72] KLAPPER, GEORG, AT
 [73] HANS KUNZ GMBH, AT
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 [54] A FIREFIGHTER PROTECTIVE GARMENT HAVING VARYING COMPOSITE STRUCTURES TO INCREASE DISSIPATION OF METABOLIC HEAT
 [54] UN VETEMENT DE PROTECTION DESTINE AUX POMPIERS COMPORTANT DIVERSES STRUCTURES EN COMPOSITE SERVANT A AUGMENTER LA DISSIPATION DE CHALEUR METABOLIQUE
 [72] BARBEAU, CLAUDE, CA
 [72] ST-ARNEAULT, ERIC, CA
 [73] INNOTEX INC., CA
 [86] (2947697)
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 [54] ALUMINUM REPAIR STATIONS AND METHODS OF USING THE SAME
 [54] POSTE DE REPARATION D'ALUMINIUM ET LEURS PROCEDES D'UTILISATION
 [72] LAMPSHIRE, MICHAEL, US
 [72] MCFADDEN, WILLIAM, CA
 [73] GLOBAL FINISHING SOLUTIONS LLC, US
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 [54] SHAPE RETAINING MATERIAL AND METHOD FOR PRODUCING THE SAME
 [54] MATERIAU CONSERVANT LA FORME ET METHODE DE PRODUCTION DUDIT MATERIAU
 [72] TADOKORO, ATSUSHI, JP
 [72] TOKUDOME, SHINICHI, JP
 [72] HISHIDA, TOMOYUKI, JP
 [73] SEKISUI SEIKEI, LTD., JP
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 [54] BALL JOINT DEVICE FOR A TURBINE ENGINE
 [54] DISPOSITIF D'ARTICULATION A ROTULE POUR UNE TURBOMACHINE
 [72] FLORENT, NICOLAS MARC, FR
 [72] TESNIERE, MARC PATRICK, FR
 [73] SAFRAN AIRCRAFT ENGINES, FR
 [85] 2016-11-18
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 [54] APPARATUS AND METHOD FOR POSITIONING OF SHRIMP
 [54] APPAREIL ET PROCEDE DE POSITIONNEMENT DE CREVETTES
 [72] KANT, ALBERT, NL
 [73] KANT, ALBERT, NL
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[54] ADAPTIVE PHASE CONTROL OF
CRYOCOOLER ACTIVE
VIBRATION CANCELLATION
[54] COMMANDE DE PHASE
ADAPTATIVE D'ANNULATION
ACTIVE DE VIBRATIONS DE
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[72] BRUCKMAN, DAWSON R., US
[72] KIEFFER, MICHAEL H., US
[73] RAYTHEON COMPANY, US
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[86] 2015-06-16 (PCT/US2015/035974)
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[54] EXCRETA TREATMENT
MATERIAL COMPRISING A
FUNCTIONAL CHEMICAL
AGENT THAT IS DISPLACED
UPWARD UPON APPLICATION
OF VIBRATION TO THE
MATERIAL
[54] MATERIAU DE TRAITEMENT
DES EXCRETATS COMPRENNANT
UN AGENT CHIMIQUE DEPLACE
VERS LE HAUT SUIVANT
L'APPLICATION D'UNE
VIBRATION DANS LE MATERIAU
[72] TAKAGI, CHIYO, JP
[72] KANEKO, SHINYA, JP
[72] IKEGAMI, TAKESHI, JP
[73] UNICHARM CORPORATION, JP
[85] 2016-11-23
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[25] EN
[54] USE OF SUBSTITUTED
OXADIAZOLES FOR
COMBATING
PHYTOPATHOGENIC FUNGI
[54] UTILISATION D'OXADIAZOLES
SUBSTITUES POUR LUTTER
CONTRE DES FONGUS
PHYTOPATHOGENES
[72] WIEJA, ANDY, DE
[72] WINTER, CHRISTIAN, DE
[72] ROSENBAUM, CLAUDIA, DE
[72] KREMZOW-GRAW, DORIS, DE
[72] ROEHL, FRANZ, DE
[72] RHEINHEIMER, JOACHIM, DE
[72] POONOTH, MANOJKUMAR, DE
[72] TERTERYAN, VIOLETA, DE
[72] HADEN, EGON, DE
[72] ESCRIBANO CUESTA, ANA, DE
[72] ACHENBACH, JANOSCH HARALD,
DE
[72] MENTZEL, TOBIAS, DE
[72] WIEBE, CHRISTINE, DE
[73] BASF SE, DE
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[25] EN
[54] CONTROLLER FOR VACUUM
SEWAGE SYSTEM
[54] DISPOSITIF DE COMMANDE
POUR UN SYSTEME D'EGOUT
SOUS VIDE
[72] BLOCHER, TROY E., US
[72] GROOMS, JOHN M., US
[73] AQSEPTENCE GROUP, INC., US
[85] 2016-11-30
[86] 2015-03-16 (PCT/US2015/020641)
[87] (WO2015/187228)
[30] US (62/006,576) 2014-06-02
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[25] EN
[54] METHODS AND APPARATUS FOR
CONFIRMATION TIME BREAK
(CTB) DETERMINATION AND
SHOTPOINT IN-SITU
RECORDING IN SEISMIC
DETONATORS
[54] PROCEDES ET APPAREIL DE
DETERMINATION DE L'INSTANT
DE TIR CONFIRME ET
ENREGISTREMENT IN SITU DU
POINT DE TIR DANS DES
DETONATEURS
ELECTRONIQUES SISMIQUES
[72] PAPILLON, BRYAN E., US
[72] HOWE, LARRY S., US
[72] TEOWEE, GIMTONG, US
[73] AUSTIN STAR DETONATOR
COMPANY, US
[85] 2016-12-05
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[25] EN
[54] FLEXIBLE TUBE CLEANING
LANCE POSITIONER FRAME
APPARATUS
[54] APPAREIL A CADRE DE
POSITIONNEUR DE LANCE DE
NETTOYAGE A TUBE FLEXIBLE
[72] MATHIS, TODD, US
[73] STONEAGE, INC., US
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[54] MAILLE IMPLANTABLE ET PROCEDE D'UTILISATION
[72] LEVINSON, HOWARD, US
[73] DUKE UNIVERSITY, US
[85] 2017-03-02
[86] 2015-09-04 (PCT/US2015/048557)
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[30] US (62/045,718) 2014-09-04
[30] US (62/091,798) 2014-12-15
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[25] EN
[54] SYSTEM AND METHOD FOR IMAGE PROCESSING
[54] SYSTEME ET PROCEDE DE TRAITEMENT D'IMAGE
[72] GALLOP, DAVID, CA
[72] HODGES, WES, CA
[73] SYNAPTIVE MEDICAL INC., CA
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[25] EN
[54] ULTRASONIC FLOW METER LEAK DETECTION SYSTEM AND METHOD
[54] SYSTEME ET METHODE DE DETECTION DE FUITE DE DEBITMETRE ULTRASONIQUE
[72] BRENNAN, WILLIAM JAMES, US
[72] WILSON, MICHAEL ALLEN, US
[72] NORTHRUP, WYATT EDWARD, US
[73] NEPTUNE TECHNOLOGY GROUP INC., US
[86] (2961798)
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[54] ESSAI DE DISSOLUTION D'INGREDIENTS PHARMACEUTIQUES ACTIFS HYDROPHOBES COMME LES AVERMECTINES AVEC OU SANS PYRANTEL
[72] RUSTUM, ABU M., US
[72] KUMAR, SATISH, US
[72] MCADOO, ANDREW L., US
[73] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC., US
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[25] EN
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[54] CABLE D'ALIMENTATION/DE TELECOMMUNICATION AERIEN AUTOPOREUR
[72] SIRIN, ZEKERIYA, IT
[72] SONMEZ, BARIS, IT
[72] DAVIES, MARTIN VINCENT, IT
[73] PRYSMIAN S.P.A., IT
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[54] DISPOSITIFS D'ADMINISTRATION D'UNE NEUROMODULATION NON INVASIVE A UN PATIENT
[72] FISK, JUSTIN, US
[72] GORDON, JOSEPH M., US
[72] GUARRAIA, MARK, US
[72] MURATORI, ADAM, US
[72] WALLACE, JEFFREY M., US
[72] PETRIE, AIDAN, US
[72] DAVID-HEGERICH, FAITH, US
[72] SIWINSKI, SHANE, US
[72] MORANG, JEFFREY C., US
[72] TULLOCH, JENNIFER, US
[73] HELIUS MEDICAL, INC., US
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[25] EN
[54] SIMULATING THE EFFECTS OF SYNTACTIC FOAM ON ANNULAR PRESSURE BUILDUP DURING ANNULAR FLUID EXPANSION IN A WELLBORE
[54] SIMULATION DES EFFETS D'UNE MOUSSE SYNTACTIQUE SUR L'ACCUMULATION DE PRESSION DANS L'ANNULAIRE AU COURS DE L'EXPANSION D'UN FLUIDE D'ANNULAIRE DANS UN PUITS DE FORAGE
[72] LIU, ZHENGCHUN, US
[72] SAMUEL, ROBELLO, US
[72] GONZALES, ADOLFO, US
[72] KANG, YONGFENG, US
[73] LANDMARK GRAPHICS CORPORATION, US
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 [54] ELEMENT DE BASE D'UN ENSEMBLE DE PORTE DE DOUCHE
 [72] AUSTIN, JAMES ALLEN, III, US
 [72] SCHULTZ, NATHANIEL FALTIN DUTTON, US
 [73] LIBERTY HARDWARE MFG. CORP., US
 [86] (2973779)
 [87] (2973779)
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 [30] US (15/239,074) 2016-08-17
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 - [73] SMART INFRASTRUCTURE MAINTENANCE APPLICATIONS INC., CA
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- [72] COLE, JOHN, US
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- [72] WOLF, ACHIM, DE
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- [54] ENSEMBLE DE PERfusion ET/OU POMPE A TAMpon PRESENTANT UN CATHETER RIGIDE INTEGRE A CARACTERISTIQUES FLEXIBLES ET/OU UNE FIXATION POUR CATHETER FLEXIBLE
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- [72] VANKO, DANIEL, GB
- [72] BRVENIK, LUBOS, GB
- [73] JT INTERNATIONAL SA, CH
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- [73] TOVORNIK, EDWARD J., US
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- [54] PROCEDE, DISPOSITIF ET SYSTEME DE DETECTION D'UN EVENEMENT ET/OU ETAT DE LA ROUTE DANGEREUX
- [72] CHEREMUSHKINA, OLGA ANATOLIEVNA, RU
- [72] KOZLOVA, ELENA ALEKSANDROVNA, RU
- [72] SAVELEV, FEDOR GRIGORIEVICH, RU
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- [54] CIRCUIT DE CONNEXION D'UN RESEAU LOCAL A UNE FIBRE OPTIQUE SUR LAQUELLE SONT SUSCEPTIBLES DE CHEMINER DES SIGNAUX LUMINEUX CONFORMES A DES STANDARDS DE COMMUNICATION OPTIQUE DIFFERENTS
- [72] JAULIN, JEAN-PHILIPPE, FR
- [72] HARDY, MIKAEL, FR
- [73] SAGEMCOM BROADBAND SAS, FR
- [86] (3052662)
- [87] (3052662)
- [22] 2019-08-20
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- [25] EN
- [54] SYSTEMS AND METHODS FOR CALIBRATING, CONFIGURING AND VALIDATING AN IMAGING DEVICE OR SYSTEM FOR MULTIPLEX TISSUE ASSAYS
- [54] SYSTEMES ET PROCEDES POUR ETALONNER, CONFIGURER ET VALIDER UN DISPOSITIF OU UN SYSTEME D'IMAGERIE POUR DOSAGES TISSULAIRES MULTIPLEX
- [72] GARSHA, KARL, US
- [72] OTTER, MICHAEL, US
- [73] VENTANA MEDICAL SYSTEMS, INC., US
- [86] (3053060)
- [87] (3053060)
- [22] 2014-01-31
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[54] SYSTEMES ET PROCÉDÉS DESTINÉS À DES PROTOCOLES DE GESTION DE NOEUDS DE CALCUL

[72] TOSH, GEORGE, US

[73] SALESFORCE.COM, INC., US

[85] 2019-08-23

[86] 2018-03-12 (PCT/US2018/022033)

[87] (WO2018/169876)

[30] US (15/459,725) 2017-03-15

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[54] OBTURATEUR, QUI EST UNE PARTIE INTEGRANTE DE LA CEINTURE DE PROJECTILE D'UN PROJECTILE D'ARTILLERIE

[72] PAESCH, ALEXANDER, DE

[72] DAU, OLE, DE

[72] SACKARNDT, ALFONS, DE

[73] RHEINMETALL WAFFE MUNITION GMBH, DE

[85] 2019-09-05

[86] 2018-03-27 (PCT/EP2018/057764)

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[11] 3,055,595

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[54] ETHNIC-SPECIFIC ORTHOPAEDIC IMPLANTS AND CUSTOM CUTTING JIGS

[54] IMPLANTS ORTHOPÉDIQUES PROPRES À UNE ETHNIE ET GABARITS DE COUPE SUR MESURE

[72] MAHFOUZ, MOHAMED RASHWAN, US

[73] ZIMMER, INC., US

[86] (3055595)

[87] (3055595)

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[54] ACCUMULATOR

[54] ACCUMULATEUR

[72] MIZUKAMI, HIROSHI, JP

[72] IWAI, IPPEI, JP

[72] SAITO, MIEKO, JP

[73] NHK SPRING CO., LTD., JP

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[25] EN

[54] HOCKEY STICK WITH NANOFIBER REINFORCEMENT

[54] BATON DE HOCKEY À BASE DE MATERIAU DE RENFORCEMENT NANOFIBREUX

[72] CHAMBERT, MARTIN, CA

[72] ROUZIER, EDOUARD, CA

[72] CARON KARDOS, JEAN-FRÉDÉRIK, CA

[72] DUCHARME, MATHIEU, CA

[73] BAUER HOCKEY LTD., CA

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[87] (3056460)

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[30] US (62/734,532) 2018-09-21

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[54] AMORPHOUS CALCIUM CARBONATE FOR THE TREATMENT OF CALCIUM MALABSORPTION AND METABOLIC BONE DISORDERS

[54] CARBONATE DE CALCIUM AMORPHE POUR LE TRAITEMENT DE LA MALABSORPTION DE CALCIUM ET DE TROUBLES METABOLIQUES DES OS

[72] SAGI, AMIR, IL

[72] SHECHTER, ASSAF, IL

[72] SHALTIEL-GOLD, GALIT, IL

[72] DANIELY, MICHAL, IL

[72] MEIRON, OREN, IL

[73] AMORPHICAL LTD., IL

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[25] EN

[54] MEDIA CONTENT TRACKING

[54] SUIVI DE CONTENU MULTIMÉDIA

[72] HOFFMAN, GUSTAV, US

[72] MURTHY, GANAPA SASHIDHARA, US

[73] KELLOGG COMPANY, US

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 [25] EN
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TERMINAL
 [54] REGISTRE D'AIR AUTO-REGLE
 [72] LINDBORG, HERMAN, SE
 [73] LINDINVENT AB, SE
 [85] 2019-09-18
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 [25] EN
RECEIVING APPARATUS AND
RECEIVING METHOD THEREOF
 [54] APPAREIL DE RECEPTION ET
 METHODE DE RECEPTION
 CONNEXE
 [72] MYUNG, SE-HO, KR
 [72] KIM, KYUNG-JOONG, KR
 [72] JEONG, HONG-SIL, KR
 [73] SAMSUNG ELECTRONICS CO.,
 LTD., KR
 [86] (3058426)
 [87] (3058426)
 [22] 2016-02-24
 [62] 2,975,991
 [30] US (62/120,108) 2015-02-24
 [30] US (62/126,902) 2015-03-02
 [30] KR (10/2015-0137187) 2015-09-27

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 [13] C

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ANODIZED QUALITY 5XXX
ALUMINUM ALLOYS WITH HIGH
STRENGTH AND HIGH
FORMABILITY AND METHODS
OF MAKING THE SAME
 [54] ALLIAGES D'ALUMINIUM 5XXX
 DE QUALITE ANODISEE, DOTES
 D'UNE RESISTANCE ET D'UNE
 FORMABILITE ELEVEES, ET
 PROCEDES DE FABRICATION
 ASSOCIES

[72] KANG, DAEHOON, US
 [72] HWANG, YOUNGGOO, KR
 [73] NOVELIS INC., US
 [85] 2019-09-27
 [86] 2018-04-04 (PCT/US2018/025996)
 [87] (WO2018/187406)
 [30] US (62/481,796) 2017-04-05

[11] **3,058,775**
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 (2006.01)
 [25] EN
INTEGRATED PROCESSES
UTILIZING STEAM AND
SOLVENT FOR BITUMEN
RECOVERY
 [54] PROCEDES INTEGRES
UTILISANT DE LA VAPEUR ET
UN SOLVANT POUR LA
RECUPERATION DE BITUME
 [72] SUITOR, MATHEW D., CA
 [72] WANG, JIANLIN, CA
 [72] LIU, ZHIHONG, CA
 [72] GONG, XU, CA
 [73] IMPERIAL OIL RESOURCES
 LIMITED, CA
 [86] (3058775)
 [87] (3058775)
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 [30] CA (3,036,414) 2019-03-12

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GREETING CARD WITH 90-
DEGREE POP-UP STRUCTURE
 [54] CARTE DE SOUHAITS AVEC
 STRUCTURE A DEPLOIEMENT
 RAPIDE A 90 DEGRES
 [72] KELLY, CHARLES ROBERT, US
 [73] AMERICAN GREETINGS
 CORPORATION, US
 [86] (3058991)
 [87] (3058991)
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[11] **3,060,814**
 [13] C

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 90/00 (2016.01)
 [25] EN
SINGLE-INSERTION, MULTIPLE
SAMPLE BIOPSY DEVICE WITH
INTEGRATED MARKERS
 [54] DISPOSITIF DE BIOPSIE A
 ECHANTILLONNAGE MULTIPLE
 ET INTRODUCTION UNIQUE
 AVEC MARQUEURS INTEGRES
 [72] TAYLOR, JON, US
 [72] THOMPSON, STANLEY O., US
 [72] COONAHAN, TIMOTHY J., US
 [72] GRAY, GREGORY A., US
 [73] C.R. BARD, INC., US
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 [54] ROBOTIC ARM CART HAVING LOCKING SWIVEL JOINTS AND OTHER POSITION ADJUSTMENT FEATURES AND USES THEREFOR
 [54] CHARIOT A BRAS ROBOTISE AYANT DES JOINTS PIVOTANTS DE VERROUILLAGE ET D'AUTRES ELEMENTS DE REGLAGE DE POSITION ET LEURS UTILISATIONS
 [72] SCHALLER, MICHAEL P., US
 [72] REESE, BRENDAN C., US
 [72] CLAUSON, LUKE W., US
 [73] VERB SURGICAL INC., US
 [85] 2019-10-21
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 [87] (WO2018/231539)
 [30] US (62/520,986) 2017-06-16
 [30] US (15/788,730) 2017-10-19
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 [54] INDUCTION HEATING METHODS AND APPARATUS
 [54] APPAREIL ET PROCEDES DE CHAUFFAGE PAR INDUCTION
 [72] LIEBERT, SCOTT, US
 [72] VERHAGEN, PAUL, US
 [72] SALSICH, ANTHONY, US
 [73] ILLINOIS TOOL WORKS INC., US
 [85] 2019-10-28
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 [54] FIXATION A CHANGEMENT RAPIDE POUR VEHICULE DE TRANSFERT DE MATERIAU
 [72] HOFFMANN, JOHN ERIC, US
 [72] BECKMAN, NATHAN THOMAS, US
 [73] ROADTEC, INC., US
 [85] 2019-10-31
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 [54] ANTI-HUMAN RESPIRATORY SYNCYTIAL VIRUS (RSV) ANTIBODIES AND METHODS OF USE
 [54] ANTICORPS ANTI-VIRUS RESPIRATOIRE SYNCYTIAL (RSV) HUMAIN ET PROCEDES D'UTILISATION
 [72] KEOGH, ELISSA, US
 [72] PASCUAL, GABRIEL, US
 [72] WADIA, JEHANGIR, US
 [72] WILLIAMSON, ROBERT ANTHONY, US
 [73] JANSEN VACCINES & PREVENTION B.V., NL
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 [25] EN
 [54] AUDIO CODING METHOD AND RELATED APPARATUS
 [54] METHODE DE CODAGE AUDIO ET APPAREIL CONNEXE
 [72] LIU, ZEXIN, CN
 [72] MIAO, LEI, CN
 [73] HUAWEI TECHNOLOGIES CO., LTD., CN
 [86] (3064092)
 [87] (3064092)
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 [62] 2,951,321
 [30] US (201410363905.5) 2014-07-28
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 [54] ECLAIRAGE TRANSITIONNEL D'ENTRAIEMENT DE RYTHMES BIOLOGIQUES
 [72] ASHDOWN, IAN EDWARD, CA
 [72] SCOTT, WALLACE JAY, CA
 [73] SUNTRACKER TECHNOLOGIES LTD., CA
 [85] 2019-11-21
 [86] 2018-08-01 (PCT/CA2018/050938)
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 - [54] **CRYOGENIC SEPARATION OF PLANT MATERIAL**
 - [54] **SEPARATION CRYOGENIQUE DE MATERIEL VEGETAL**
 - [72] BARONE, CHRISTOPHER, US
 - [72] ARMSTRONG, MATT, US
 - [73] BARONE, CHRISTOPHER, US
 - [73] ARMSTRONG, MATT, US
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 - [25] EN
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 - [54] **PROCEDE DE MELANGE IN SITU DE COMPOSITIONS LIQUIDES AVEC DES PROFILS DE REMPLISSAGE DYNAMIQUES**
 - [72] NG, BOON HO, CN
 - [72] CACCIATORE, JUSTIN THOMAS, US
 - [72] VARGAS, SEBASTIAN, US
 - [72] CAPECI, SCOTT WILLIAM, US
 - [72] GUIDA, VINCENZO, BE
 - [73] THE PROCTER & GAMBLE COMPANY, US
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 - [25] EN
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 - [54] **APPAREIL A FENDRE OPTIQUE**
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 - [72] JIA, XIAOQIN, CN
 - [73] HUAWEI TECHNOLOGIES CO., LTD., CN
 - [85] 2019-12-17
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 - [54] **CONDITIONNEUR D'AIR DE FENETRE**
 - [72] LEI, ZHISHENG, CN
 - [72] XING, ZHIGANG, CN
 - [72] ZHANG, KANGWEN, CN
 - [72] LIU, YU, CN
 - [72] YU, HUI, CN
 - [72] TANG, YUHANG, CN
 - [73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
 - [73] MIDEA GROUP CO., LTD., CN
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 - [30] CN (201920511024.1) 2019-04-12
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 - [54] **COMPOSITIONS ET PROCEDES D'ELIMINATION DE CONTAMINANTS DANS LE DESSALAGE DE RAFFINERIE**
 - [72] FELIPE, MARY JANE LEGASPI, US
 - [72] WEERS, JERRY J., US
 - [72] NGUYEN, TRAN M., US
 - [73] BAKER HUGHES, A GE COMPANY, LLC, US
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 - [72] KOROVIN, ALEXEI, US
 - [73] HALLIBURTON ENERGY SERVICES, INC., US
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- [54] **MODERNISATION FACILE DU VERIN HYDRAULIQUE POUR UNE REMORQUE**
- [72] ZIMMERMAN, JAY PAUL, US
- [73] ZIMMERMAN, JAY PAUL, US
- [86] (3067898)
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<p align="right">[11] 3,068,357 [13] C</p> <p>[51] Int.Cl. C07D 487/04 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] NEW SALT OF N-(2,6-DIETHYLPHENYL)-8-{4-[4-(DIMETHYLAMINO)PIPERIDIN-1-YL]-2-METHOXYPHENYL}AMINO}-1-METHYL-4,5-DIHYDRO-1H-PYRAZOLO[4,3-H]QUINAZOLINE-3-CARBOXAMIDE, ITS PREPARATION AND FORMULATIONS CONTAINING IT</p> <p>[54] NOUVEAU SEL DE N-(2,6-DIETHYLPHENYL)-8-{4-[4-(DIMETHYLAMINO)PIPERIDINE-1-YL]-2-METHOXYPHENYL}AMINO}-1-METHYLE-4,5-DIHYDRO-1H-PYRAZOLO[4,3-H]QUINAZOLINE-3-CARBOXAMIDE, PREPARATION ET FORMULATION LE COMPORANT</p> <p>[72] ZAMPIERI, MASSIMO, IT</p> <p>[72] CALDARELLI, MARINA, IT</p> <p>[72] CANDIANI, ILARIA, IT</p> <p>[72] D'ANELLO, MATTEO, IT</p> <p>[72] D'ARASMO, GERMANO, IT</p> <p>[73] NERVIANO MEDICAL SCIENCES S.R.L., IT</p> <p>[85] 2019-12-23</p> <p>[86] 2018-06-28 (PCT/EP2018/067394)</p> <p>[87] (WO2019/002454)</p> <p>[30] EP (17305826.4) 2017-06-29</p>	<p align="right">[11] 3,068,516 [13] C</p> <p>[51] Int.Cl. A61M 1/16 (2006.01) A61M 1/14 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR TREATING DIALYSATE, DIALYSIS SYSTEM, AND METHOD FOR PRE-EVALUATING DIALYSIS PATIENTS FOR TREATMENT WITH SAME</p> <p>[54] PROCEDE DE TRAITEMENT DE DIALYSAT, SYSTEME DE DIALYSE ET PROCEDE DE PRE-EVALUATION DE PATIENTS SOUS DIALYSE POUR UN TRAITEMENT AVEC CEUX-CI</p> <p>[72] MERCHANT, STEPHEN, US</p> <p>[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US</p> <p>[86] (3068516)</p> <p>[87] (3068516)</p> <p>[22] 2015-05-28</p> <p>[62] 2,950,864</p> <p>[30] US (62/004,642) 2014-05-29</p>	<p align="right">[11] 3,069,525 [13] C</p> <p>[51] Int.Cl. C09D 133/06 (2006.01)</p> <p>[25] EN</p> <p>[54] CURABLE FILM-FORMING COMPOSITIONS CONTAINING REACTIVE FUNCTIONAL POLYMERS AND POLYSILOXANE RESINS, MULTILAYER COMPOSITE COATINGS, AND METHODS FOR THEIR USE</p> <p>[54] COMPOSITIONS DE FORMATION DE FILM DURCISSABLES CONTENANT DES POLYMERES FONCTIONNELS REACTIFS ET DES RESINES DE POLYSILOXANE, DES REVETEMENTS COMPOSITES MULTICOUCHES, ET LEURS PROCEDES D'UTILISATION</p> <p>[72] LEWIS, JASON RYAN, US</p> <p>[72] DONALDSON, SUSAN FUNDY, US</p> <p>[72] LUCHANSKY, MATTHEW S., US</p> <p>[72] SWARUP, SHANTI, US</p> <p>[72] BURGMAN, JOHN W., US</p> <p>[72] JONES, JUSTIN, US</p> <p>[72] CAO, BIN, US</p> <p>[72] ZHOU, HONGYING, US</p> <p>[72] KIRBY, DANIELLE, US</p> <p>[73] PPG INDUSTRIES OHIO, INC., US</p> <p>[85] 2020-01-09</p> <p>[86] 2018-07-12 (PCT/US2018/041755)</p> <p>[87] (WO2019/014414)</p> <p>[30] US (62/532,560) 2017-07-14</p>
<p align="right">[11] 3,069,079 [13] C</p> <p>[51] Int.Cl. C08L 101/16 (2006.01) C08J 3/075 (2006.01) C08K 3/08 (2006.01) C08L 29/04 (2006.01) C08L 77/02 (2006.01) C08L 77/04 (2006.01) C09K 8/588 (2006.01) E21B 43/18 (2006.01)</p> <p>[25] EN</p> <p>[54] NANOGELS FOR DELAYED GELATION</p> <p>[54] NANOGELS POUR GELIFICATION RETARDEE</p> <p>[72] GUAN, HUILI, US</p> <p>[72] BERKLAND, CORY, US</p> <p>[72] MORADI-ARAGHI, AHMAD, US</p> <p>[72] LIANG, JENN-TAI, US</p> <p>[72] CHRISTIAN, TERRY M., US</p> <p>[72] NEEDHAM, RILEY B., US</p> <p>[72] CHENG, MIN, US</p> <p>[72] SCULLY, FAYE L., US</p> <p>[72] HEDGES, JAMES H., US</p> <p>[73] CONOCOPHILLIPS COMPANY, US</p> <p>[73] UNIVERSITY OF KANSAS, US</p> <p>[86] (3069079)</p> <p>[87] (3069079)</p> <p>[22] 2013-12-30</p> <p>[62] 2,897,795</p> <p>[30] US (61/754,060) 2013-01-18</p>		

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 - [25] EN
 - [54] STEEL SHEET FOR CROWN CAP, CROWN CAP AND METHOD FOR PRODUCING STEEL SHEET FOR CROWN CAP
 - [54] TOLE D'ACIER POUR CAPSULE COURONNE, CAPSULE COURONNE ET PROCEDE DE PRODUCTION DE TOLE D'ACIER POUR CAPSULE COURONNE
 - [72] UENO, TAKASHI, JP
 - [72] KARIYA, NOBUSUKE, JP
 - [72] KOJIMA, KATSUMI, JP
 - [72] YAMAMOTO, YOSHIHIDE, JP
 - [72] KATAGIRI, AKIHIRO, JP
 - [73] JFE STEEL CORPORATION, JP
 - [85] 2020-01-10
 - [86] 2018-07-25 (PCT/JP2018/027994)
 - [87] (WO2019/026738)
 - [30] JP (2017-148314) 2017-07-31
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- [51] Int.Cl. A47F 5/00 (2006.01) A47F 5/11 (2006.01) G09F 9/33 (2006.01)
 - [25] EN
 - [54] MODULAR POINT-OF-PURCHASE (POP) DISPLAY
 - [54] PRESENTOIR POUR VENTE AU DETAIL MODULAIRE
 - [72] SMITHSON, CHAD S., CA
 - [72] LLOYD WILLIAMS, ANTONIO ST. CLAIR, US
 - [72] VERES, JANOS, US
 - [72] SHEN, ETHAN, CA
 - [73] PALO ALTO RESEARCH CENTER INCORPORATED, US
 - [73] XEROX CORPORATION, US
 - [86] (3070203)
 - [87] (3070203)
 - [22] 2020-01-29
 - [30] US (16/265190) 2019-02-01
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- [51] Int.Cl. H02J 7/00 (2006.01) G05G 1/015 (2009.01) F02N 11/12 (2006.01) G02B 6/26 (2006.01) H03K 17/60 (2006.01)
 - [25] EN
 - [54] RECHARGEABLE BATTERY JUMP STARTING DEVICE WITH CONTROL SWITCH AND OPTICAL POSITION SENSING SWITCH SYSTEM
 - [54] DISPOSITIF DE DEMARRAGE D'APPOINT DE BATTERIE RECHARGEABLE AVEC COMMUTATEUR DE COMMANDE ET SYSTEME DE COMMUTATEUR DE DETECTION DE POSITION OPTIQUE
 - [72] NOOK, JONATHAN LEWIS, US
 - [72] NOOK, WILLIAM KNIGHT, US
 - [72] STANFIELD, JAMES RICHARD, US
 - [72] UNDERHILL, DEREK MICHAEL, US
 - [73] THE NOCO COMPANY, US
 - [85] 2020-01-30
 - [86] 2018-09-13 (PCT/US2018/050904)
 - [87] (WO2019/060207)
 - [30] US (62/561,850) 2017-09-22
 - [30] US (62/561,751) 2017-09-22
 - [30] US (62/562,713) 2017-09-25
 - [30] US (62/567,479) 2017-10-03
 - [30] US (62/568,044) 2017-10-04
 - [30] US (62/568,537) 2017-10-05
 - [30] US (62/568,967) 2017-10-06
 - [30] US (62/569,243) 2017-10-06
 - [30] US (62/569,355) 2017-10-06
 - [30] US (PCT/US18/49548) 2018-09-05
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- [51] Int.Cl. G06T 19/00 (2011.01) G06T 7/70 (2017.01) G01C 21/34 (2006.01)
 - [25] EN
 - [54] AUGMENTED REALITY ASSISTED PICKUP
 - [54] RAMASSAGE ASSISTE PAR REALITE AUGMENTEE
 - [72] BADALAMENTI, JOHN, US
 - [72] INCH, JOSHUA, US
 - [72] SANCHEZ, CHRISTOPHER MICHAEL, US
 - [72] SUMERS, THEODORE RUSSELL, US
 - [73] UBER TECHNOLOGIES, INC., US
 - [85] 2020-02-04
 - [86] 2018-08-18 (PCT/IB2018/056256)
 - [87] (WO2019/043496)
 - [30] US (62/553,055) 2017-08-31
 - [30] US (16/020,118) 2018-06-27
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- [51] Int.Cl. C07D 495/04 (2006.01) A61K 31/4365 (2006.01) A61K 31/4436 (2006.01) A61K 31/444 (2006.01) A61P 35/00 (2006.01)
 - [25] EN
 - [54] THIENOPYRIDINE DERIVATIVES AND PHARMACEUTICAL COMPOSITION COMPRISING SAME
 - [54] DERIVES DE THIENOPYRIDINE ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT
 - [72] LEE, HYUNHO, KR
 - [72] PARK, CHUN-HO, KR
 - [72] HUR, SUN CHUL, KR
 - [72] MOON, JAI-HEE, KR
 - [72] SHIN, JAE-SIK, KR
 - [72] HONG, SEUNG-WOO, KR
 - [72] PARK, YOON-SUN, KR
 - [72] KIM, JOSEPH, KR
 - [72] LEE, SOHEE, KR
 - [72] KIM, HYOJIN, KR
 - [72] PARK, HYEBIN, KR
 - [73] WELLMARKER BIO CO., LTD., KR
 - [85] 2020-02-05
 - [86] 2019-03-08 (PCT/KR2019/002743)
 - [87] (WO2019/182274)
 - [30] KR (10-2018-0027300) 2018-03-08
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- [51] Int.Cl. A01D 41/127 (2006.01) A01D 41/04 (2006.01) A01D 41/06 (2006.01) A01D 47/00 (2006.01)
- [25] EN
- [54] CROP MACHINE WITH AN ELECTRONICALLY CONTROLLED HYDRAULIC CYLINDER FLOTATION SYSTEM
- [54] ENGIN DE RECOLTE DOTE D'UN SYSTEME DE FLOTTEMENT PAR VERIN HYDRAULIQUE A COMMANDE ELECTRONIQUE
- [72] DUNN, JAMES THOMAS, CA
- [72] LEVERICK, GRAHAM MICHAEL, CA
- [72] LYONS, RUSSELL GEORGE, CA
- [72] SHEARER, BRUCE ROBERT, CA
- [72] BOCH, KYLE EDWARD, CA
- [73] MACDON INDUSTRIES LTD., CA
- [85] 2020-02-11
- [86] 2017-12-11 (PCT/CA2017/051496)
- [87] (WO2019/113672)

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- [51] Int.Cl. E05F 15/616 (2015.01) E05F 15/622 (2015.01) E05F 15/649 (2015.01)
 - [25] EN
 - [54] POWER DRIVE MODULE FOR VEHICLE DOORS
 - [54] MODULE D'ENTRAINEMENT ELECTRIQUE POUR PORTIERES DE VEHICULE
 - [72] KRUSHEL, KELSEY DALE, CA
 - [72] NAGAMANY, BALATHAS, CA
 - [72] MARANGONI, ANDREW PETER, CA
 - [72] GUSEV, VICTOR, CA
 - [73] MULTIMATIC INC., CA
 - [85] 2020-02-11
 - [86] 2018-09-07 (PCT/US2018/049878)
 - [87] (WO2019/055299)
 - [30] US (62/557,951) 2017-09-13
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[13] C

- [51] Int.Cl. A01B 63/10 (2006.01)
- [25] EN
- [54] AGRICULTURAL TOOLBAR APPARATUS, SYSTEMS AND METHODS
- [54] APPAREIL, SYSTEMES ET PROCEDES POUR BARRE PORTE-OUTILS AGRICOLE
- [72] SAUDER, GREGG A., US
- [72] KOCH, DALE M., US
- [73] PRECISION PLANTING LLC, US
- [86] (3073773)
- [87] (3073773)
- [22] 2012-06-04
- [62] 2,837,715
- [30] US (61/493,158) 2011-06-03

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[13] C

- [51] Int.Cl. E21B 19/08 (2006.01) E21B 19/06 (2006.01) E21B 19/22 (2006.01)
 - [25] EN
 - [54] PASSIVE ROTATING JOINTED TUBULAR INJECTOR
 - [54] INJECTEUR ROTATIF PASSIF ET ARTICULE D'ELEMENTS TUBULAIRES
 - [72] RICHARD, DAVID LOUIS, CA
 - [72] MILLER, HAROLD JAMES, CA
 - [72] AMIC, IVAN, CA
 - [72] SERRAN, CHRISTOPHER JASON, CA
 - [72] SCHROEDER, JASON BRENT, CA
 - [73] AUTOMATED RIG TECHNOLOGIES LTD., CA
 - [85] 2020-02-28
 - [86] 2019-01-22 (PCT/CA2019/050078)
 - [87] (WO2019/144223)
 - [30] US (62/622,575) 2018-01-26
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[13] C

- [51] Int.Cl. B02C 13/06 (2006.01) B02C 13/26 (2006.01) B02C 13/28 (2006.01)
- [25] EN
- [54] BLOW BAR
- [54] BARRE D'IMPACT
- [72] HOOGENDOORN, FREDERIK, BE
- [73] KEESTRACK N.V., BE
- [85] 2020-03-02
- [86] 2017-12-08 (PCT/EP2017/082015)
- [87] (WO2019/101351)
- [30] DE (20 2017 107 107.3) 2017-11-23

[11] 3,074,615
[13] C

- [51] Int.Cl. G02C 7/06 (2006.01)
 - [25] EN
 - [54] PROGRESSIVE SPECTACLE LENS HAVING A VARIABLE REFRACTIVE INDEX AND METHOD FOR THE DESIGN AND PRODUCTION THEREOF
 - [54] VERRE DE LUNETTES PROGRESSIF PRÉSENTANT UN INDICE DE REFRACTION VARIABLE ET PROCÉDÉ DE CONCEPTION ET DE FABRICATION DUDIT VERRE
 - [72] KELCH, GERHARD, DE
 - [72] MENKE, CHRISTOPH, DE
 - [72] WIETSCHORKE, HELMUT, DE
 - [73] CARL ZEISS VISION INTERNATIONAL GMBH, DE
 - [86] (3074615)
 - [87] (3074615)
 - [22] 2018-01-19
 - [62] 3,054,482
 - [30] EP (17152384.8) 2017-01-20
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[13] C

- [51] Int.Cl. F16D 65/12 (2006.01) B64C 25/42 (2006.01)
- [25] FR
- [54] BRAKE DISC, DISC BRAKING SYSTEM AND VEHICLE
- [54] DISQUE DE FREIN, SYSTEME DE FREINAGE A DISQUE ET VEHICULE
- [72] PRUD'HOMME LACROIX, PIERRE, FR
- [72] AZZARELLO, JULIEN, FR
- [72] ROBERT, SIMON, FR
- [72] BISTUER, OLIVIER, FR
- [73] AIRBUS HELICOPTERS, FR
- [86] (3074982)
- [87] (3074982)
- [22] 2020-03-06
- [30] FR (1903282) 2019-03-28

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<p style="text-align: right;">[11] 3,078,996 [13] C</p> <p>[51] Int.Cl. F04D 13/02 (2006.01) F04D 1/00 (2006.01) F04D 3/02 (2006.01) F04D 29/041 (2006.01) F04D 29/18 (2006.01)</p> <p>[25] EN</p> <p>[54] PUMP ASSEMBLY, IN PARTICULAR FOR SUPPLYING A MECHANICAL SEAL ASSEMBLY</p> <p>[54] POMPE, EN PARTICULIER POUR L'ALIMENTATION D'UN ENSEMBLE DE JOINTS MECANIQUES</p> <p>[72] BAREIS, MARKUS, DE</p> <p>[72] EISFELD, CHRISTIAN, DE</p> <p>[72] ERTL, MARTIN, DE</p> <p>[72] KARNER, CHRISTOPH, DE</p> <p>[72] SCHERER, HANS-GEORG, DE</p> <p>[72] SCHULTEN, BERTHOLD, DE</p> <p>[73] EAGLEBURGMANN GERMANY GMBH & CO. KG, DE</p> <p>[85] 2020-04-13</p> <p>[86] 2018-11-12 (PCT/EP2018/080911)</p> <p>[87] (WO2019/096729)</p> <p>[30] DE (10 2017 220 437.0) 2017-11-16</p>	<p style="text-align: right;">[11] 3,080,003 [13] C</p> <p>[51] Int.Cl. G01M 3/24 (2006.01) E03B 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND APPARATUS TO DETECT LEAKS</p> <p>[54] PROCEDES ET APPAREIL DE DETECTION DE FUITES</p> <p>[72] COLE, PHILIP ALAN, US</p> <p>[73] ITRON, INC., US</p> <p>[85] 2020-04-22</p> <p>[86] 2018-11-09 (PCT/US2018/059959)</p> <p>[87] (WO2019/094678)</p> <p>[30] US (15/808,539) 2017-11-09</p>	

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- [51] Int.Cl. H04L 69/18 (2022.01)
 - [25] EN
 - [54] **EFFICIENT COMMUNICATION FOR DEVICES OF A HOME NETWORK**
 - [54] **COMMUNICATION EFFICACE DESTINEE A DES DISPOSITIFS DANS UN RESEAU DOMESTIQUE**
 - [72] ERICKSON, GRANT M., US
 - [72] LOGUE, JAY D., US
 - [72] BOROSS, CHRISTOPHER A., US
 - [72] SMITH, ZACHARY B., US
 - [72] HARDISON, OSBORNE B., US
 - [72] SCHULTZ, RICHARD J., US
 - [72] GUJJARU, SUNNY P., US
 - [72] NEELEY, MATTHEW G., US
 - [73] GOOGLE LLC, US
 - [86] (3081957)
 - [87] (3081957)
 - [22] 2014-06-23
 - [62] 2,916,595
 - [30] US (13/926,335) 2013-06-25
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[11] 3,082,038

[13] C

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 - [25] EN
 - [54] **PROCESS FOR OBTAINING LOW VOLATILE PLASTOMERS**
 - [54] **PROCEDE PERMETTANT D'OBTENIR DES PLASTOMERES FAIBLEMENT VOLATILS**
 - [72] AL-HAJ ALI, MOHAMMAD, FI
 - [72] KANELLOPOULOS, VASILEIOS, AT
 - [72] BERGSTRA, MICHEIL, NL
 - [73] BOREALIS AG, AT
 - [85] 2020-05-07
 - [86] 2019-01-15 (PCT/EP2019/050921)
 - [87] (WO2019/141672)
 - [30] EP (18152162.6) 2018-01-17
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 - [25] EN
 - [54] **NITROGEN-FREE HYDROGEN SULFIDE SCAVENGERS**
 - [54] **AGENTS D'EPURATION DE SULFURE D'HYDROGENE SANS AZOTE**
 - [72] WEERS, JERRY J., US
 - [73] BAKER HUGHES HOLDINGS LLC, US
 - [85] 2020-05-07
 - [86] 2018-11-15 (PCT/US2018/061350)
 - [87] (WO2019/099718)
 - [30] US (15/815,203) 2017-11-16
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 - [25] EN
 - [54] **EGG INSPECTION DEVICE**
 - [54] **DISPOSITIF POUR EXAMINER LES EUFS**
 - [72] EINSPANIER, ALMUTH, DE
 - [73] SELEGGT GMBH, DE
 - [86] (3085580)
 - [87] (3085580)
 - [22] 2017-08-04
 - [62] 3,033,318
 - [30] DE (10 2016 215 127.4) 2016-08-12
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 - [25] EN
 - [54] **DESERT SAND AND FILAMENTOUS CELLULOSE IN CONCRETE AND MORTAR**
 - [54] **SABLE DU DESERT ET CELLULOSE FILAMENTEUSE DANS DU BETON ET DU MORTIER**
 - [72] OLIVIER, ERIC, CA
 - [72] CAI, XIAOLIN, CA
 - [72] LAROUCHE, CAROLE, CA
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 - [73] FPINNOVATIONS, CA
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[72] FREYERMUTH, DAN, US
[72] HUNTER, JEFFREY, US
[72] DONALDSON, ADAM, US
[72] ISBELL, MARK, US
[72] LANG, BRENT, US
[72] SLATER, DAVE, US
[73] STORYTELLER OVERLAND, LLC, US
[86] (3139300)
[87] (3139300)
[22] 2020-03-10
[62] 3,133,073
[30] US (62/816,571) 2019-03-11
[30] US (16/814,270) 2020-03-10

[11] **3,143,414**

[13] C

[51] Int.Cl. A61F 5/445 (2006.01) A61F 5/44 (2006.01) A61F 13/42 (2006.01)
[25] EN
[54] RESISTANCE SENSOR FOR IDENTIFYING LEAK LOCATIONS IN OSTOMY SYSTEM
[54] CAPTEUR DE RESISTANCE POUR CERNER LES EMPLACEMENTS DE FUITE DANS UN SYSTEME DE STOMIE
[72] CARLSSON, JONAS P., US
[72] LIDDLE, SCOTT E., US
[72] MATTHEWS, KYLE A., US
[73] HOLLISTER INCORPORATED, US
[85] 2021-12-20
[86] 2021-07-12 (PCT/US2021/041283)
[87] (3143414)
[30] US (63/052,132) 2020-07-15

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[21] **3,095,206**

[13] A1

[51] Int.Cl. E06B 9/42 (2006.01)

[25] EN

[54] A BLIND ASSEMBLY

[54] ASSEMBLAGE DE STORE

[72] ZHOU, FAN, CA

[71] LES ENTREPRISES SMARTLUX INC., CA

[22] 2020-10-05

[41] 2022-04-05

[21] **3,095,235**

[13] A1

[51] Int.Cl. E04C 5/16 (2006.01) E04C 5/18 (2006.01)

[25] EN

[54] INNOVATIVE SHEAR LOCKS TO REPLACE CONCRETE REINFORCEMENT STIRRUPS

[54] VERROUS DE CISAILLE NOVATEURS POUR REMPLACER DES ETRIERS DE RENFORCEMENT DE BETON

[72] LU, HANZHE, CA

[71] LU, HANZHE, CA

[22] 2020-10-04

[41] 2022-04-04

[21] **3,095,271**

[13] A1

[51] Int.Cl. G06Q 20/36 (2012.01) H04W 12/06 (2021.01) G06Q 20/10 (2012.01) G06F 21/31 (2013.01) H04W 4/30 (2018.01)

[25] EN

[54] SYSTEM AND METHOD FOR DIGITAL WALLET MANAGEMENT

[54] SYSTEME ET METHODE DE GESTION DE PORTEFEUILLE NUMERIQUE

[72] GLYNN-UDROW, NOLAN, CA

[72] DORAI, SAHANA, CA

[72] KHAN, IMRAN AHMED, CA

[72] KARBASI, MARYAM, CA

[72] HORVATH, PETER, CA

[71] THE TORONTO-DOMINION BANK, CA

[22] 2020-10-05

[41] 2022-04-05

[21] **3,095,281**

[13] A1

[51] Int.Cl. F16L 55/033 (2006.01) F24F 13/02 (2006.01)

[25] EN

[54] HVAC MUFFLER

[54] SILENCIEUX POUR SYSTEME CVC

[72] HEDGES, MATTHEW, CA

[71] HEDGES, MATTHEW, CA

[22] 2020-10-05

[41] 2022-04-05

[21] **3,095,359**

[13] A1

[51] Int.Cl. C10L 9/08 (2006.01) C01B 32/00 (2017.01) C01B 32/30 (2017.01)

[25] EN

[54] BIO-CARBON PRODUCTION PROCESS

[54] PROCEDE DE PRODUCTION DE BIOCARBONE

[72] BENNETT, JOHN, CA

[71] BENNETT, JOHN, CA

[22] 2020-10-07

[41] 2022-04-07

[21] **3,095,375**

[13] A1

[51] Int.Cl. A61B 5/107 (2006.01)

[25] EN

[54] LEG LENGTH DISCREPANCY DETECTOR

[54] DETECTEUR DE DIFFERENCE DE LONGUEUR DE JAMBES

[72] KLAUSNER, FRED, CA

[71] KLAUSNER, FRED, CA

[22] 2020-10-05

[41] 2022-04-05

[21] **3,095,455**

[13] A1

[51] Int.Cl. A01G 17/14 (2006.01) A01G 9/02 (2018.01) A01G 9/12 (2006.01) A47G 7/02 (2006.01) A47H 27/00 (2006.01)

[25] EN

[54] LOCKING POTTED PLANT AND STAKE GROW SYSTEM

[54] VERROU DE PLANTES EN POT ET SYSTEME DE CROISSANCE SUR PIEU

[72] PARKER, ADRIAN ADP, CA

[71] PARKER, ADRIAN ADP, CA

[22] 2020-10-06

[41] 2022-04-06

[21] **3,095,458**

[13] A1

[51] Int.Cl. B60P 3/42 (2006.01) A45F 3/00 (2006.01) B60F 3/00 (2006.01) B60P 3/10 (2006.01) B62D 63/06 (2006.01) B63B 7/02 (2020.01)

[25] EN

[54] CONVERTIBLE UTILITY TRAILER AND BOAT APPARATUS

[54] REMORQUE UTILITAIRE CONVERTIBLE ET APPAREIL DE BATEAU

[72] ROOSENMAALLEN, GREG, CA

[71] ROOSENMAALLEN, GREG, CA

[22] 2020-10-06

[41] 2022-04-05

[30] US (17/063,655) 2020-10-05

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[21] 3,095,486 [13] A1 [51] Int.Cl. B01D 46/10 (2006.01) [25] EN [54] PERSONAL AIR FILTRATION SYSTEM [54] SYSTEME DE FILTRATION D'AIR PERSONNEL [72] KULAKOVSKIY, KIRILL, CS [71] KULAKOVSKIY, KIRILL, CS [22] 2020-10-06 [41] 2022-04-06

[21] 3,095,505 [13] A1 [51] Int.Cl. E21B 44/00 (2006.01) [25] EN [54] METHODS, SYSTEMS, AND MEDIA FOR CONTROLLING A TOOLFACE OF A DOWNHOLE TOOL [54] METHODES, SYSTEMES ET SUPPORT POUR CONTROLER UNE FACE FONCTIONNELLE D'UN OUTIL DE FOND DE TROU [72] NEUFELDT, ADAM CHASE, CA [72] ELEY, BRIAN JAMES, CA [72] WILSON, THOMAS WILLIAM CHARLES, CA [71] PASON SYSTEMS CORP., CA [22] 2020-10-06 [41] 2022-04-06

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[21] 3,095,639 [13] A1 [51] Int.Cl. A61G 99/00 (2006.01) [25] EN [54] DISPOSABLE PATHOGEN CONTAINMENT DEVICE [54] DISPOSITIF DE CONFINEMENT DE PATHOGENIE JETABLE [72] SJAUS, ANA, CA [72] D'ENTREMONT, MATTHEW, CA [71] SJAUS, ANA, CA [71] D'ENTREMONT, MATTHEW, CA [22] 2020-10-07 [41] 2022-04-07

[21] 3,095,654 [13] A1 [51] Int.Cl. G02B 7/195 (2021.01) G02B 5/08 (2006.01) [25] EN [54] ISOTHERMALIZED MIRROR ASSEMBLY [54] ASSEMBLAGE DE MIROIR ISOTHERMALISE [72] STRAFFORD, DAVID, US [72] STRAFFORD, DIANA, US [71] SOTER TECHNOLOGY, LLC, US [22] 2020-10-07 [41] 2022-04-07
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[21] 3,095,657 [13] A1 [51] Int.Cl. G16Z 99/00 (2019.01) [25] EN [54] CANADIAN NUTRITIONAL FACT TABLE GENERATOR [54] GENERATEUR DE TABLEAU DE VALEURS NUTRITIVES CANADIENNES [72] MALACHI, OLUWASEYI, CA [71] MALACHI, OLUWASEYI, CA [22] 2020-10-07 [41] 2022-04-07
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[21] 3,095,675 [13] A1 [51] Int.Cl. A61K 39/395 (2006.01) C07K 16/24 (2006.01) [25] EN [54] TRUE HUMAN ANTIBODY SPECIFIC FOR INTERLEUKIN 1 ALPHA (IL-1A) [54] ANTICORPS COMPLETEMENT HUMAIN SPECIFIQUEMENT POUR L'INTERLEUKINE 1 ALPHA (IL-1A) [72] SIMARD, JOHN, US [72] SHIVASWAMY, SUSHMA, US [72] KUZMICHEVA, GALINA, US [71] XBIOTECH INC., CA [22] 2020-10-07 [41] 2022-04-07

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 [13] A1

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 [25] EN
 [54] EMERGENCY RESPONSE TRAINING SYSTEM
 [54] SYSTEME DE FORMATION AUX REPONSES D'URGENCE
 [72] BRADLEY, BRIAN, US
 [72] PEREZ-PEARSON, RA MONNE DONELL, US
 [71] LION GROUP, INC., US
 [22] 2020-10-08
 [41] 2022-04-08

[21] **3,095,740**
 [13] A1

[51] Int.Cl. A61K 39/395 (2006.01) C07K 16/24 (2006.01)
 [25] EN
 [54] TRUE HUMAN ANTIBODY SPECIFIC FOR INTERLEUKIN ALPHA (IL-1A)
 [54] ANTICORPS COMPLÈTEMENT HUMAIN SPECIFIQUEMENT POUR L'INTERLEUKINE 1 ALPHA (IL-1A)
 [72] SIMARD, JOHN, US
 [72] SHIVASWAMY, SUSHMA, US
 [72] KUZMICHEVA, GALINA, US
 [71] XBIOTECH INC., CA
 [22] 2020-10-07
 [41] 2022-04-07

[21] **3,095,833**
 [13] A1

[51] Int.Cl. A61B 5/24 (2021.01) A61B 5/367 (2021.01) A61B 5/16 (2006.01) G09B 21/00 (2006.01)
 [25] EN
 [54] TELEPATHIC COMMUNICATION DEVICE
 [54] DISPOSITIF DE COMMUNICATION TELEPATHIQUE
 [72] PATEL, JAYESHKUMAR J. R. P., CA
 [71] PATEL, JAYESHKUMAR J. R. P., CA
 [22] 2020-10-07
 [41] 2022-04-07

[21] **3,095,875**
 [13] A1

[51] Int.Cl. G01N 33/28 (2006.01) C10G 1/04 (2006.01) G01N 33/18 (2006.01)
 [25] EN
 [54] SOFT SENSING OF CHEMICAL VARIATES OF A PROCESS STREAM FROM A BITUMEN EXTRACTION OPERATION
 [54] DETECTION VIRTUELLE DE VARIABLES CHIMIQUES D'UN FLUX DE TRAITEMENT DANS UNE OPERATION D'EXTRACTION DE BITUME
 [72] YANG, XIAOLI, CA
 [72] VAN DER MERWE, SHAWN, CA
 [72] FOULDS, GARY, CA
 [71] FORT HILLS ENERGY L.P., CA
 [22] 2020-10-09
 [41] 2022-04-09

[21] **3,095,878**
 [13] A1

[51] Int.Cl. A41C 3/12 (2006.01) A41F 1/00 (2006.01)
 [25] EN
 [54] HOOK AND EYE CLOSURE WITH ALTERNATIVE SPACING
 [54] FERMETURE A CROCHET ET OEILLET AVEC ESPACEMENT ALTERNATIF
 [72] BONNEFOY, AURELIE, US
 [72] TOTH, AMY, US
 [72] KRASNER, ERIN, US
 [72] TODARO, URSULA, US
 [72] BARATTA, JENNIFER, US
 [71] MAST INDUSTRIES (FAR EAST) LIMITED, CN
 [22] 2020-10-09
 [41] 2022-04-08
 [30] US (17/066,017) 2020-10-08

[21] **3,096,009**
 [13] A1

[51] Int.Cl. A61K 39/215 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/165 (2006.01) C12N 15/50 (2006.01) C12N 15/87 (2006.01)
 [25] EN
 [54] COMPOSITIONS AND METHODS FOR THE PREVENTION AND/OR TREATMENT OF COVID-19
 [54] COMPOSITIONS ET METHODES DE PREVENTION ET/OU DE TRAITEMENT DE LA COVID-19
 [72] MARCUSSON, ERIC G., CA
 [72] ABIOYE, JUMAI ADEOLA, CA
 [72] MARTIN OROZCO, NATALIA, CA
 [71] PROVIDENCE THERAPEUTICS HOLDINGS INC., CA
 [22] 2020-10-09
 [41] 2022-04-09

[21] **3,096,068**
 [13] A1

[51] Int.Cl. A43B 5/06 (2006.01) A43B 13/14 (2006.01) A43C 19/00 (2006.01)
 [25] EN
 [54] SHOE WITH INTEGRATED LATERAL ROLLER
 [54] CHAUSSURE A ROULETTE LATÉRALE INÉGRIEE
 [72] WALSH, BRIAN, CA
 [71] WALSH, BRIAN, CA
 [22] 2020-10-13
 [41] 2022-04-09
 [30] US (17/066,837) 2020-10-09

[21] **3,096,070**
 [13] A1

[51] Int.Cl. H05K 7/14 (2006.01) H04B 1/3888 (2015.01) H04W 88/02 (2009.01)
 [25] EN
 [54] ELECTRONIC DEVICE HOLDER
 [54] SUPPORT A DISPOSITIF ELECTRONIQUE
 [72] KEHINDE, OLUWATONI, CA
 [71] KEHINDE, OLUWATONI, CA
 [22] 2020-10-09
 [41] 2022-04-09

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[13] A1
[51] Int.Cl. B21D 28/26 (2006.01) B21D 28/34 (2006.01) H02G 1/00 (2006.01) H02B 1/03 (2006.01) H02G 3/06 (2006.01) H02G 3/08 (2006.01)
[25] EN
[54] PUNCH SET FOR ELECTRICAL BOX
[54] ENSEMBLE DE POINTEAUX POUR BOITIER ELECTRIQUE
[72] HAGEN, BRIAN, US
[72] MCCARTHY, WILLIAM E., US
[72] ARAGONEZ, CHRISTIAN, US
[71] MILBANK MANUFACTURING CO., US
[22] 2020-10-16
[41] 2022-04-08
[30] US (17/065550) 2020-10-08

[21] 3,096,615
[13] A1
[51] Int.Cl. B21D 28/26 (2006.01) B21D 28/34 (2006.01)
[25] EN
[54] PUNCH SET FOR ELECTRICAL BOX
[54] ENSEMBLE DE POINTEAUX POUR BOITIER ELECTRIQUE
[72] HAGEN, BRIAN, US
[72] MCCARTHY, WILLIAM E., US
[72] ARAGONEZ, CHRISTIAN, US
[71] MILBANK MANUFACTURING CO., US
[22] 2020-10-16
[41] 2022-04-08
[30] US (17/065550) 2020-10-08

[21] 3,096,954
[13] A1
[51] Int.Cl. B09B 3/35 (2022.01)
[25] EN
[54] PROCESS OF TRANSFORMING WASTE MATERIAL INTO USEFUL MATERIAL
[54] PROCEDE DE TRANSFORMATION DES DECHETS EN MATIERES UTILES
[72] PALMER, DAVID C., US
[71] BOULDIN CORPORATION, US
[22] 2020-10-23
[41] 2022-04-09
[30] US (17/066,681) 2020-10-09

[21] 3,097,877
[13] A1
[51] Int.Cl. B25H 3/02 (2006.01) A45F 5/02 (2006.01)
[25] EN
[54] MULTI-TOOL CASE
[54] BOITIER D'OUTIL POLYVALENT
[72] CHALFANT, LOUIS, US
[71] SMITH'S CONSUMER PRODUCTS, INC., US
[22] 2020-11-03
[41] 2022-04-06
[30] US (17/064,113) 2020-10-06

[21] 3,106,927
[13] A1
[51] Int.Cl. G06F 8/34 (2018.01)
[25] EN
[54] SYSTEM AND METHOD FOR GENERATING AND SYNCHRONOUSLY EXECUTING A MULTIPLAYER SCENARIO IN ONE OF A VIRTUAL, MIXED AND AUGMENTED REALITY ENVIRONMENT
[54] SISTÈME ET MÉTHODE POUR GÉNÉRER ET EXÉCUTER SYNCHRONIQUEMENT UN SCÉNARIO MULTIJOUEUR DANS UN ENVIRONNEMENT VIRTUEL, MIXTE OU DE RÉALITÉ AUGMENTÉE

[72] DUMUR, HAROLD, CA
[72] RIVARD, LUCIE, CA
[72] LAPointe, PIERRE-LUC, CA
[72] MAO, SIJIA, CA
[72] BERNERON, AXEL, CA
[72] TREMBLAY, MAREK, CA
[72] CHUM-CHHIN, ISABELLE, CA
[72] PIGOT, SIMON, CA
[72] DROUIN, BENJAMIN, CA
[72] BUBLEX, NOLAN, CA
[72] COUTURE, JEAN-FRANCOIS, CA
[72] BEAUDOIN, KEITH, CA
[71] OVA INC., CA
[22] 2021-01-25
[41] 2022-04-06
[30] US (63/088,182) 2020-10-06

[21] 3,098,019
[13] A1
[51] Int.Cl. F21V 21/40 (2006.01)
[25] EN
[54] LIGHT FIXTURE WITH INTEGRAL HANDLE
[54] APPAREIL D'ECLAIRAGE AVEC POIGNEE INTEGREE
[72] ADAMS, VINCENT P., US
[71] ABL IP HOLDING LLC, US
[22] 2020-11-03
[41] 2022-04-05
[30] US (17/062,916) 2020-10-05

[21] 3,107,016
[13] A1
[51] Int.Cl. G01S 13/06 (2006.01) G01S 7/03 (2006.01) G01S 13/86 (2006.01)
[25] EN
[54] RADAR DEVICE
[54] DISPOSITIF RADAR
[72] KAYA, NOBUYUKI, JP
[71] WAVEARRAYS INC., JP
[22] 2021-01-25
[41] 2022-04-04
[30] JP (2020-211004) 2020-12-21
[30] JP (2021-007018) 2021-01-20

[21] 3,098,705
[13] A1
[51] Int.Cl. A63B 69/36 (2006.01) A63B 67/00 (2006.01) A63B 71/04 (2006.01)
[25] EN
[54] A FOLDABLE GOLF PRACTICE TENT
[54] TENTE DE PRATIQUE DE GOLF PLIABLE
[72] SHI, XUN, CA
[71] SHI, XUN, CA
[22] 2020-10-07
[41] 2022-04-07

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<p>[21] 3,107,232 [13] A1</p> <p>[51] Int.Cl. A61K 39/215 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/165 (2006.01) C12N 15/50 (2006.01) C12N 15/87 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS AND METHODS FOR THE PREVENTION AND/OR TREATMENT OF COVID-19</p> <p>[54] COMPOSITIONS ET METHODES DE PREVENTION ET/OU DE TRAITEMENT DE LA COVID-19</p> <p>[72] MARCUSSON, ERIC G., CA</p> <p>[72] ABIOYE, JUMAI ADEOLA, CA</p> <p>[72] MARTIN OROZCO, NATALIA, CA</p> <p>[71] PROVIDENCE THERAPEUTICS HOLDINGS INC., CA</p> <p>[22] 2021-01-26</p> <p>[41] 2022-04-09</p> <p>[30] CA (3,096,009) 2020-10-09</p>
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<p>[21] 3,110,599 [13] A1</p> <p>[51] Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01) E21B 43/12 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR EQUIPMENT CONTROL</p> <p>[54] METHODE POUR LE CONTROLE D'EQUIPEMENT</p> <p>[72] JAASKELAINEN, MIKKO, US</p> <p>[72] CAMP, JOSHUA LANE, US</p> <p>[72] MITCHELL, IAN BRADFORD, US</p> <p>[71] HALLIBURTON ENERGY SERVICES, INC., US</p> <p>[22] 2021-02-26</p> <p>[41] 2022-04-09</p> <p>[30] US (17/066,847) 2020-10-09</p>
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[54] AUBES HYBRIDES POUR TURBINES A GAZ
[72] CHEUNG, KIN-LEUNG, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[54] METHODE ET SYSTEME D'EXPLOITATION D'UNE TURBINE A GAZ POUR EMPECHER DES VITESSES DE MOTEUR A EVITER
[72] BEAUCHESNE-MARTEL, PHILIPPE, CA
[72] DROLET, MARTIN, CA
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[72] BIERNAT, JACOB, CA
[72] ENNACER, MOHAMMED, CA
[72] SYNNOTT, REMY, CA
[72] POTIFOROV, ANDREY, CA
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[72] ABIOYE, JUMAI ADEOLA, CA
[72] MARTIN OROZCO, NATALIA, CA
[72] ARITA, YUKO, CA
[71] PROVIDENCE THERAPEUTICS HOLDINGS INC., CA
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[72] ABIOYE, JUMAI ADEOLA, CA
[72] MARTIN OROZCO, NATALIA, CA
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[54] LOGEMENT DE ROULEMENT DE TURBINE A GAZ
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<p style="text-align: right;">[21] 3,131,513 [13] A1</p> <p>[51] Int.Cl. B66F 19/00 (2006.01) B66C 13/18 (2006.01) F16L 1/024 (2006.01) G05B 19/042 (2006.01)</p> <p>[25] EN</p> <p>[54] AUTOMATED LOAD DROP BASED ON MACHINE CONFIGURATION</p> <p>[54] DEPOT DE CHARGE AUTOMATISE EN FONCTION D'UNE CONFIGURATION DE MACHINES</p> <p>[72] HOYT, DANIEL W., US [72] CALDWELL, CURTIS J., US [72] GNAGEY, AARON J., US [71] CATERPILLAR INC., US [22] 2021-09-21 [41] 2022-04-08 [30] US (16/948995) 2020-10-08</p>	<p style="text-align: right;">[21] 3,131,947 [13] A1</p> <p>[51] Int.Cl. A21D 10/02 (2006.01) A21D 13/40 (2017.01) A21C 11/00 (2006.01) A21D 8/02 (2006.01)</p> <p>[25] EN</p> <p>[54] FREEZER-TO-OVEN DOUGH PRODUCT HAVING REDUCED COOK TIME</p> <p>[54] PRODUIT DE PATE « DU CONGELATEUR AU FOUR » AYANT UN TEMPS DE CUISSON REDUIT</p> <p>[72] COX, STEVEN J., US [72] DOMINGUES, DAVID J., US [72] FREEMAN, MICHAEL, US [71] GENERAL MILLS, INC., US [22] 2021-09-24 [41] 2022-04-07 [30] US (17/065029) 2020-10-07</p>	<p style="text-align: right;">[21] 3,132,206 [13] A1</p> <p>[51] Int.Cl. A63B 21/00 (2006.01) A63B 22/20 (2006.01)</p> <p>[25] EN</p> <p>[54] STOWABLE WHEELED WEIGHT TRAINING SLED</p> <p>[54] TRAINEAU D'ENTRAINEMENT AUX POIDS A ROUE ET CAPABLE D'ETRE RANGE</p> <p>[72] ROSENOW, CHARLES J., US [72] BAUMLER, THOMAS K., US [71] TORQUE FITNESS, LLC, US [22] 2021-09-28 [41] 2022-04-08 [30] US (63089228) 2020-10-08</p>
<p style="text-align: right;">[21] 3,131,513 [13] A1</p> <p>[51] Int.Cl. B66F 19/00 (2006.01) B66C 13/18 (2006.01) F16L 1/024 (2006.01) G05B 19/042 (2006.01)</p> <p>[25] EN</p> <p>[54] AUTOMATED LOAD DROP BASED ON MACHINE CONFIGURATION</p> <p>[54] DEPOT DE CHARGE AUTOMATISE EN FONCTION D'UNE CONFIGURATION DE MACHINES</p> <p>[72] HOYT, DANIEL W., US [72] CALDWELL, CURTIS J., US [72] GNAGEY, AARON J., US [71] CATERPILLAR INC., US [22] 2021-09-21 [41] 2022-04-08 [30] US (16/948995) 2020-10-08</p>	<p style="text-align: right;">[21] 3,132,014 [13] A1</p> <p>[51] Int.Cl. C10M 169/06 (2006.01) C10M 119/02 (2006.01) C10M 125/02 (2006.01) C10M 125/26 (2006.01) C10M 169/00 (2006.01)</p> <p>[25] EN</p> <p>[54] THERMALLY CONDUCTIVE LUBRICANT</p> <p>[54] LUBRIFIANT CONDUCTEUR THERMIQUE</p> <p>[72] QIN, JIAN, SE [72] MALEKSAEEDI, SAEED, SE [72] UNGE, MIKAEL, SE [72] LIU, RONGSHENG, SE [72] SINGHA, SANTANU, SE [71] ABB SCHWEIZ AG, CH [22] 2021-09-27 [41] 2022-04-05 [30] EP (20200026.1) 2020-10-05</p>	<p style="text-align: right;">[21] 3,132,014 [13] A1</p> <p>[51] Int.Cl. C10M 169/06 (2006.01) C10M 119/02 (2006.01) C10M 125/02 (2006.01) C10M 125/26 (2006.01) C10M 169/00 (2006.01)</p> <p>[25] EN</p> <p>[54] THERMALLY CONDUCTIVE LUBRICANT</p> <p>[54] LUBRIFIANT CONDUCTEUR THERMIQUE</p> <p>[72] QIN, JIAN, SE [72] MALEKSAEEDI, SAEED, SE [72] UNGE, MIKAEL, SE [72] LIU, RONGSHENG, SE [72] SINGHA, SANTANU, SE [71] ABB SCHWEIZ AG, CH [22] 2021-09-27 [41] 2022-04-05 [30] EP (20200026.1) 2020-10-05</p>

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<p style="text-align: right;">[21] 3,132,207 [13] A1</p> <p>[51] Int.Cl. E02F 3/96 (2006.01) E02F 3/36 (2006.01) [25] EN [54] QUICK-HITCH FOR CONSTRUCTION VEHICLE TOOLS [54] ATTelage RAPIDE POUR OUTILS DE VEHICULE DE CONSTRUCTION [72] FRIEDRICH, THOMAS, DE [71] KINSHOFER GMBH, DE [22] 2021-09-28 [41] 2022-04-05 [30] DE (20 2020 105 697.2) 2020-10-05 [30] DE (20 2021 101 016.9) 2021-03-02</p> <hr/> <p style="text-align: right;">[21] 3,132,208 [13] A1</p> <p>[51] Int.Cl. A63B 21/00 (2006.01) A63B 23/12 (2006.01) [25] EN [54] PULL ANGLE SELF-ADJUSTING ENDLESS ROPE TRAINER [54] APPAREIL D'EXERCICE A CORDE SANS FIN AVEC AJUSTEMENT AUTOMATIQUE EN FONCTION DE L'ANGLE DE TIRAGE [72] ROSENOW, CHARLES J., US [71] TORQUE FITNESS, LLC, US [22] 2021-09-28 [41] 2022-04-05 [30] US (63/087,554) 2020-10-05</p> <hr/> <p style="text-align: right;">[21] 3,132,304 [13] A1</p> <p>[51] Int.Cl. E04H 15/00 (2006.01) A63H 33/00 (2006.01) E04H 15/02 (2006.01) [25] EN [54] PLAY TENT WITH INTERACTIVE AUDIO DEVICE [54] TENTE DE JEU AVEC DISPOSITIF SONORE INTERACTIF [72] CASTLE, JESSICA, AU [72] CASTLE, ANDREW, AU [71] A&J CASTLE ENTERPRISE PTY LTD., AU [22] 2021-09-29 [41] 2022-04-03 [30] US (29/753,907) 2020-10-03 [30] US (17/140.090) 2021-01-03</p>	<p style="text-align: right;">[21] 3,132,340 [13] A1</p> <p>[51] Int.Cl. E21B 43/12 (2006.01) F04B 47/12 (2006.01) [25] EN [54] TORPEDO PLUNGER [54] PISTON-TORPILLE [72] ROBERTS, PAUL TREAVOR, US [71] PCS FERGUSON, INC., US [22] 2021-09-29 [41] 2022-04-08 [30] US (63/089,115) 2020-10-08 [30] US (17/483,430) 2021-09-23</p> <hr/> <p style="text-align: right;">[21] 3,132,491 [13] A1</p> <p>[51] Int.Cl. A61K 6/52 (2020.01) A61C 5/50 (2017.01) [25] EN [54] COMPOSITION AND METHOD FOR ENDODONTIC DEBRIDEMENT [54] COMPOSITION ET METHODE POUR LE DEBRIDEMENT ENDODONTIQUE [72] PANNKUK, TERRELL F., US [71] PANNKUK, TERRELL F., US [22] 2021-09-29 [41] 2022-04-09 [30] US (17/067,128) 2020-10-09</p> <hr/> <p style="text-align: right;">[21] 3,132,539 [13] A1</p> <p>[51] Int.Cl. H04L 9/08 (2006.01) H04L 9/06 (2006.01) H04L 12/22 (2006.01) [25] EN [54] METHOD, APPARATUS, COMPUTER PROGRAM AND DATA CARRIER FOR DETERMINING A SHARED SECRET CRYPTOGRAPHIC KEY [54] METHODE, APPAREIL, PROGRAMME INFORMATIQUE ET SUPPORT D'INFORMATION POUR DETERMINER UNE CLE DE CHIFFREMENT SECRETE PARTAGEE [72] KIRSANOV, NIKITA, CH [72] KENBAYEV, NURBOLAT, CH [72] LESOVIK, GORDEY, CH [71] TERRA QUANTUM AG, CH [22] 2021-09-29 [41] 2022-04-06 [30] EP (20200370.3) 2020-10-06</p>	<p style="text-align: right;">[21] 3,132,614 [13] A1</p> <p>[51] Int.Cl. B60D 1/24 (2006.01) B60D 1/06 (2006.01) B60D 1/32 (2006.01) [25] EN [54] MONOBAR HITCH SYSTEM [54] SYSTEME D'ATTACHE DE REMORQUAGE MONO-BARRE [72] FEW, JEFFREY P., US [71] FEWDESIGN3, LLC, US [22] 2021-09-30 [41] 2022-04-09 [30] US (17/066,632) 2020-10-09</p> <hr/> <p style="text-align: right;">[21] 3,132,706 [13] A1</p> <p>[51] Int.Cl. G01C 7/02 (2006.01) G06N 3/02 (2006.01) G06N 3/08 (2006.01) G01S 17/89 (2020.01) [25] EN [54] SYSTEMS AND METHODS FOR GENERATING FLOOD HAZARD ESTIMATION USING MACHINE LEARNING MODEL AND SATELLITE DATA [54] SYSTEMES ET METHODES DE GENERATION D'ESTIMES DE DANGERS D'INONDATION AU MOYEN D'UN MODELE D'APPRENTISSAGE AUTOMATIQUE ET DES DONNEES SATELLITAIRES [72] KENYON-DEAN, KIAN, CA [72] ZHAO, BO, CA [72] KASIRI, KEYVAN, CA [72] VAHLIS, YEVGENIY, CA [72] FRASER, TODD, CA [72] MORRISON, LYNDSAY, CA [72] TORRANCE, MICHAEL, CA [72] WU, STELLA, CA [71] BANK OF MONTREAL, CA [22] 2021-10-01 [41] 2022-04-05 [30] US (63/087,505) 2020-10-05</p>
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<p style="text-align: right;">[21] 3,132,947 [13] A1</p> <p>[51] Int.Cl. H04W 74/04 (2009.01) H04W 24/02 (2009.01) H04W 52/04 (2009.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR MOBILE BACKUP</p> <p>[54] SYSTEMES ET METHODES DE SAUVEGARDE MOBILE</p> <p>[72] HARSTAD, TROY, US</p> <p>[72] COTTLE, CHARLES, US</p> <p>[72] HAMILTON, DAVID, US</p> <p>[71] NEPTUNE TECHNOLOGY GROUP INC., US</p> <p>[22] 2021-10-04</p> <p>[41] 2022-04-09</p> <p>[30] US (63/089,574) 2020-10-09</p>	<p style="text-align: right;">[21] 3,133,239 [13] A1</p> <p>[51] Int.Cl. A47B 9/04 (2006.01) A47B 9/02 (2006.01) B66F 3/10 (2006.01)</p> <p>[25] EN</p> <p>[54] LIFTING COLUMN FOR A PIECE OF FURNITURE</p> <p>[54] COLONNE DE LEVAGE POUR DU MOBILIER</p> <p>[72] DIENES, THOMAS, CH</p> <p>[72] ROTH, BASTIAN, CH</p> <p>[72] SCHÄFER, ALEXANDER, CH</p> <p>[71] USM U. SCHÄFER SOHNE AG, CH</p> <p>[22] 2021-10-04</p> <p>[41] 2022-04-06</p> <p>[30] EP (EP20200316.6) 2020-10-06</p>	<p style="text-align: right;">[21] 3,133,280 [13] A1</p> <p>[51] Int.Cl. G06Q 10/06 (2012.01) G06Q 10/04 (2012.01) G06F 16/90 (2019.01) G06N 20/00 (2019.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR PREDICTING OPERATIONAL EVENTS</p> <p>[54] SYSTEMES ET METHODES DE PREDICTION D'EVENEMENTS OPERATIONNELS</p> <p>[72] LIPOSKY, MICHELLE, CA</p> <p>[71] BANK OF MONTREAL, CA</p> <p>[22] 2021-10-06</p> <p>[41] 2022-04-06</p> <p>[30] US (63/088,197) 2020-10-06</p>
<p style="text-align: right;">[21] 3,133,262 [13] A1</p> <p>[51] Int.Cl. G01M 3/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR EFFICIENTLY IDENTIFYING GAS LEAK LOCATIONS</p> <p>[54] SYSTEMES ET METHODES POUR DETERMINER EFFICACEMENT LES EMPLACEMENTS DE FUITES DE GAZ</p> <p>[72] LEEN, J. BRIAN, US</p> <p>[72] BAER, DOUGLAS S., US</p> <p>[72] KASPER, SUSAN, US</p> <p>[72] PLANTE, ZACHARY, US</p> <p>[71] ABB SCHWEIZ AG, CH</p> <p>[22] 2021-10-06</p> <p>[41] 2022-04-06</p> <p>[30] US (17/064,330) 2020-10-06</p>	<p style="text-align: right;">[21] 3,133,281 [13] A1</p> <p>[51] Int.Cl. B25G 1/04 (2006.01) B25G 3/02 (2006.01) B25G 3/30 (2006.01)</p> <p>[25] EN</p> <p>[54] TOOL HANDLE COUPLING ASSEMBLY</p> <p>[54] ASSEMBLAGE DE RACCORD DE POIGNEE D'OUTIL</p> <p>[72] MULLEN, JOSHUA O., US</p> <p>[72] MCMAHON, THOMAS, US</p> <p>[71] THE AMES COMPANIES, INC., US</p> <p>[22] 2021-10-05</p> <p>[41] 2022-04-08</p> <p>[30] US (17/488,718) 2021-09-29</p> <p>[30] US (63/089,091) 2020-10-08</p>	

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<p style="text-align: right;">[21] 3,133,283 [13] A1</p> <p>[51] Int.Cl. G06N 3/08 (2006.01) G06N 3/02 (2006.01) G06N 3/12 (2006.01) [25] EN [54] SIGNAL PROCESSOR EMPLOYING NEURAL NETWORK TRAINED USING EVOLUTIONARY FEATURE SELECTION [54] PROCESSEUR DE SIGNAUX UTILISANT UN RESEAU NEURONAL ENTRAINE AU MOYEN D'UNE SELECTION DE CARACTERISTIQUE EVOLUTIONNAIRE [72] LEE, DAVID, US [72] BLANCHARD, SCOTT, US [72] DODD, NICKOLAS, US [71] GENERAL DYNAMICS MISSION SYSTEMS, INC., US [22] 2021-10-06 [41] 2022-04-07 [30] US (17/064,807) 2020-10-07</p>	<p style="text-align: right;">[21] 3,133,291 [13] A1</p> <p>[51] Int.Cl. F16J 15/42 (2006.01) [25] EN [54] CENTRIFUGAL HYDRAULIC SEAL [54] JOINT HYDRAULIQUE CENTRIFUGE [72] SELL, ANDREW G., CA [72] KACHUR, JASON P., CA [71] SYNCRUD CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUD PROJECT, CA [22] 2021-10-06 [41] 2022-04-06 [30] US (63/088,254) 2020-10-06</p>	<p style="text-align: right;">[21] 3,133,308 [13] A1</p> <p>[51] Int.Cl. F16L 53/30 (2018.01) F16L 53/32 (2018.01) [25] EN [54] ADJUSTABLE HEAT TRANSFER ELEMENT [54] ELEMENT DE TRANSFERT THERMIQUE AJUSTABLE [72] FORBES, BRANDON WILLIAM, US [71] CONTROLS SOUTHEAST, INC., US [22] 2021-10-06 [41] 2022-04-08 [30] US (63/089,197) 2020-10-08 [30] US (17/494,247) 2021-10-05</p>
<p style="text-align: right;">[21] 3,133,284 [13] A1</p> <p>[51] Int.Cl. G06Q 10/06 (2012.01) G06Q 10/04 (2012.01) G06N 20/00 (2019.01) [25] EN [54] SYSTEMS AND METHODS FOR PREDICTING OPERATIONAL EVENTS [54] SYSTEMES ET METHODES DE PREDICTION D'EVENEMENTS OPERATIONNELS [72] LIPOSKY, MICHELLE, CA [71] BANK OF MONTREAL, CA [22] 2021-10-06 [41] 2022-04-06 [30] US (63/088,210) 2020-10-06</p>	<p style="text-align: right;">[21] 3,133,318 [13] A1</p> <p>[51] Int.Cl. B65D 65/40 (2006.01) B65D 85/07 (2017.01) B32B 38/14 (2006.01) B41M 5/50 (2006.01) B65D 65/38 (2006.01) B65D 85/18 (2006.01) C09D 11/02 (2014.01) [25] EN [54] PRINTED PACKAGING MATERIALS [54] MATERIAUX D'EMBALLAGE IMPRIMÉS [72] SEARLES, PETER MICHAEL, US [71] THE PROCTER & GAMBLE COMPANY, US [22] 2021-10-05 [41] 2022-04-07 [30] US (63/088,618) 2020-10-07</p>	

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<p style="text-align: right;">[21] 3,133,404 [13] A1</p> <p>[51] Int.Cl. G06Q 10/04 (2012.01) G06N 20/00 (2019.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR PREDICTING OPERATIONAL EVENTS</p> <p>[54] SYSTEMES ET METHODES DE PREDICTION D'EVENEMENTS OPERATIONNELS</p> <p>[72] LIPOSKY, MICHELLE, CA</p> <p>[71] BANK OF MONTREAL, CA</p> <p>[22] 2021-10-06</p> <p>[41] 2022-04-06</p> <p>[30] US (63/088,247) 2020-10-06</p>	<p style="text-align: right;">[21] 3,133,482 [13] A1</p> <p>[51] Int.Cl. B65D 3/28 (2006.01) A47G 19/03 (2006.01) B31C 7/06 (2006.01) B31D 5/00 (2017.01) D21H 19/20 (2006.01) D21H 19/80 (2006.01) C09D 133/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD OF FORMING A PAPER CONTAINER AND RELATED MATERIALS</p> <p>[54] METHODE DE FORMATION D'UN CONTENANT EN PAPIER ET MATERIAUX CONNEXES</p> <p>[72] ZHAO, MINGYANG, US</p> <p>[72] MARTIN, DANIEL PETER, US</p> <p>[72] DEFREESE, SAMUEL ERIC, US</p> <p>[71] DART CONTAINER CORPORATION, US</p> <p>[22] 2021-10-06</p> <p>[41] 2022-04-08</p> <p>[30] US (63/089,336) 2020-10-08</p>	<p style="text-align: right;">[21] 3,133,499 [13] A1</p> <p>[51] Int.Cl. A01K 13/00 (2006.01) A47G 25/90 (2006.01) A01K 29/00 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE FOR PUTTING ELASTIC BOOTS ON A DOG</p> <p>[54] DISPOSITIF POUR METTRE DES BOTTES ELASTIQUES SUR UN CHIEN</p> <p>[72] O'CONNOR, DANIEL A., CA</p> <p>[71] O'CONNOR, DANIEL A., CA</p> <p>[22] 2021-10-06</p> <p>[41] 2022-04-08</p> <p>[30] US (63/089,086) 2020-10-08</p>
<p style="text-align: right;">[21] 3,133,416 [13] A1</p> <p>[51] Int.Cl. G06Q 10/06 (2012.01) G06Q 10/04 (2012.01) G06N 20/00 (2019.01) G06F 16/90 (2019.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR PREDICTING OPERATIONAL EVENTS</p> <p>[54] SYSTEMES ET METHODES DE PREDICTION D'EVENEMENTS OPERATIONNELS</p> <p>[72] JALAL, ADAM, CA</p> <p>[71] BANK OF MONTREAL, CA</p> <p>[22] 2021-10-06</p> <p>[41] 2022-04-06</p> <p>[30] US (63/088,261) 2020-10-06</p>	<p style="text-align: right;">[21] 3,133,493 [13] A1</p> <p>[51] Int.Cl. B62D 55/08 (2006.01) B62D 55/24 (2006.01)</p> <p>[25] EN</p> <p>[54] TRACK SYSTEM FOR TRACTION OF A VEHICLE</p> <p>[54] SYSTEME DE CHENILLE POUR LA TRACTION D'UN VEHICULE</p> <p>[72] POULIN, ETIENNE, CA</p> <p>[72] LUSSIER, ALAIN, CA</p> <p>[72] COUTURE, FREDERIC, CA</p> <p>[72] GINGRAS, DAVID, CA</p> <p>[71] CAMSO INC., CA</p> <p>[22] 2021-10-06</p> <p>[41] 2022-04-06</p> <p>[30] US (63/088,308) 2020-10-06</p>	<p style="text-align: right;">[21] 3,133,500 [13] A1</p> <p>[51] Int.Cl. B62M 1/00 (2010.01) B62K 5/05 (2013.01) B62M 1/28 (2013.01) B62K 5/08 (2006.01)</p> <p>[25] EN</p> <p>[54] HYBRID PUMP-ACTION VEHICLE AND THERAPY DEVICE</p> <p>[54] VEHICULE A POMPE HYBRIDE ET DISPOSITIF DE THERAPIE</p> <p>[72] JONES, MICHEAL D., US</p> <p>[72] MICHAEL, JEFFREY, US</p> <p>[71] COLUMBIA-INLAND CORPORATION, US</p> <p>[22] 2021-10-06</p> <p>[41] 2022-04-06</p> <p>[30] US (63/087994) 2020-10-06</p> <p>[30] US (17/482923) 2021-09-23</p>

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<p>[21] 3,133,538 [13] A1</p> <p>[51] Int.Cl. B62J 1/08 (2006.01)</p> <p>[25] EN</p> <p>[54] BICYCLE DROPPER SEAT POST ASSEMBLY WITH A LOCKING SPRING CARTRIDGE</p> <p>[54] ASSEMBLAGE DE BARREAU DE SIEGE DE VELO AJUSTABLE AVEC UNE CARTOUCHE A RESSORT DE VERROUILLAGE</p> <p>[72] STAPLES, JONATHAN, CA [71] D3 INNOVATION INC., CA</p> <p>[22] 2021-10-07 [41] 2022-04-09 [30] US (63/089,738) 2020-10-09</p>

<p>[21] 3,133,619 [13] A1</p> <p>[51] Int.Cl. E03F 5/04 (2006.01)</p> <p>[25] EN</p> <p>[54] DRAIN SYSTEM WITH A SEAL COMPONENT</p> <p>[54] SISTÈME DE DRAIN AVEC UNE COMPOSANTE D'ETANCHEITÉ</p> <p>[72] MEYERS, LAWRENCE G., US [71] EBBE AMERICA, LC, US</p> <p>[22] 2021-10-06 [41] 2022-04-08 [30] US (63/089,291) 2020-10-08 [30] US (63/156,108) 2021-03-03</p>
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[54] ORTHOPEDIC SYSTEM AND METHOD OF CONTROLLING THE SAME
[54] DISPOSITIF ORTHOPEDIQUE ET METHODE DE CONTROLE DE CELUI-CI
[72] SETH, AJAY, US
[72] DENUNE, JEFFREY A., US
[72] SEN, CHANDAN K., US
[72] CROCKETT, TYLER, US
[72] BARRICK, KRISTAL, US
[72] WONSICK, TIFFANY, US
[71] VISPALEXO INC., US
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[87] (3130863)
[30] US (63/089,883) 2020-10-09

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[25] EN
[54] PHOTOACTIVE PRODUCT COMPRISING A CATECHOL-CONTAINING COMPOUND AND A PHOTOELECTRODE COMPRISING SAME
[54] PRODUIT PHOTOACTIF COMPRENANT UN COMPOSE CONTENANT DU CATECHOL ET UNE PHOTOELECTRODE COMPRENANT CELUI-CI
[72] SOLEYMANI, LEYLA, CA
[72] ZHITOMIRSKY, IGOR, CA
[72] VICTORIOUS, AMANDA, CA
[72] CLIFFORD, AMANDA, CA
[71] MCMASTER UNIVERSITY, CA
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[25] EN
[54] ANTI-DRUG ANTIBODY ASSAY
[54] DOSAGE D'ANTICORPS ANTI-MEDICAMENT
[72] GREENGARD, JUDITH, US
[72] RENZ, MARK, US
[72] THEOBALD, VALERIE, US
[71] ADVERUM BIOTECHNOLOGIES, US
[71] CHARLES RIVER, US
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[87] (WO2021/046316)
[30] US (62/896,361) 2019-09-05
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[51] Int.Cl. B05B 1/00 (2006.01) A47K 3/28 (2006.01) E03C 1/02 (2006.01)
[25] EN
[54] HANDHELD SHOWERHEAD WITH PUSH-BUTTON RELEASE MECHANISM
[54] POMME DE DOUCHE PORTATIVE POURVUE D'UN MECANISME DE LIBERATION A BOUTON-POUSSOIR
[72] SHADE, ROB, US
[72] BERLOVAN, VIOREL JR., US
[71] WAXMAN CONSUMER PRODUCTS GROUP INC., US
[85] 2022-02-17
[86] 2020-11-04 (PCT/US2020/058792)
[87] (WO2021/096735)
[30] US (62/934,072) 2019-11-12
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[25] EN
[54] ADJUSTABLE SLITTERS FOR ACCURATE TRANSPORT-WISE CUTTING OF PRINTED MEDIA
[54] REFENDEUSES REGLABLES POUR UNE COUPE PRECISE LORS DU TRANSPORT DE SUPPORTS IMPRIMES
[72] MINDLER, ROBERT, US
[72] PAOLETTI, RICHARD, US
[72] REPASS, JOSEPH, US
[71] KODAK ALARIS, INC., US
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[87] (WO2021/034605)
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[54] ENVIRONNEMENT DE DEVELOPPEMENT DE THERAPIE DE NEUROMODULATION
[72] PEPIN, BRIAN MARC, US
[72] KOTZEV, MIROSLAV TCHAVDAROV, US
[71] RUNE LABS, INC., US
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[25] EN
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[54] PROCEDE DE REPARATION DE SURFACES STRUCTUREES
[72] REIFFERSCHEID, MORITZ, DE
[72] HUBER, HEINRICH, DE
[71] LUFTHANSA TECHNIK AG, DE
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[25] EN
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[54] UNITE D'ASPIRATION ET DISPOSITIF D'ASPIRATION
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[72] RUDZICZ, FRANK, CA
[72] MAMDANI, MUHAMMAD, CA
[72] CRAMPTON, NOAH, CA
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[71] INGENIOUS MOVES LLC, US
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 - [72] SEAVEY, MATTHEW M., US
 [72] HUTCHINS, JEFF T., US
 [72] JASUJA, RAHUL R., US
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 [72] HALL, SEAN CLAUDIUS, US
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 - [54] ENSEMBLES MOTEUR DE FOND DE TROU, SYSTEMES ET PROCEDES
 - [72] BENNION, BROCK, US
 [72] EVANS, KYLE, US
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 [71] TEREGA SOLUTIONS, FR
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 [72] O'CONNELL, TODD, US
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 [71] MEDISYNC INC., US
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 - [72] HUBER, HEINRICH, DE
 - [71] LUFTHANSA TECHNIK AG, DE
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- [54] DISPOSITIF DE DETECTION DE METAL ET SES PROCEDES DE FONCTIONNEMENT
- [72] CLAUSON, LUKE W., US
- [72] NEWELL, MATTHEW BYRNES, US
- [72] LEWIS, NICHOLAS G., US
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- [54] SYSTEMES, PROCEDES ET APPAREIL DE DISTRIBUTION DE FLUIDE POUR DISTRIBUER UN FLUIDE SUR UN ANIMAL
- [72] NICOLL, JEFFREY D., US
- [72] MANN, CHARLES D., US
- [71] NICKELMAN, LLC, US
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- [72] MANAKKOTE, RAMDAS, IN
- [72] MUDUNURI, SRINIVAS VARMA, IN
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 - [72] KOTZEV, MIROSLAV TCHAVDAROV, US
 - [71] RUNE LABS, INC., US
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- [54] SYSTEMES ET PROCEDES DE CARTOGRAPHIE A CAPTEURS MULTIPLES A L'AIDE D'UN DISPOSITIF UNIQUE POUVANT FONCTIONNER DANS DES MODES MULTIPLES
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- [72] ELSHORBAGY, ASHRAF MOHAMED ABDELAZIZ, CA
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 - [72] KRAUSE, AARON, US
 - [72] TITOVS, ALEKSANDRS, US
 - [72] VACCARO, JOE, US
 - [71] SCRUB DADDY , INC., US
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- [72] KOLLER, TERI DEE, US
- [72] PERRY, JEFFREY, US
- [72] KITTLE, DAVID, US
- [72] BUTTE, PRAMOD, US
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 - [54] SYSTEMES ET PROCEDE DE TOMOGRAPHIE PAR EMISSION DE POSITRONS PRECISE ET RAPIDE A L'AIDE D'UN APPRENTISSAGE PROFOND
 - [72] ZHANG, TAO, US
 - [72] GONG, ENHAO, US
 - [71] SUBTLE MEDICAL, INC., US
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- [72] CHEN, YUANWEI, CN
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 - [71] RUNE LABS, INC., US
 - [85] 2022-02-18
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- [54] REVETEMENTS PROTECTEURS CONTENANT DE L'ARGILE
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 - [71] ROQUETTE FRERES, FR
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- [72] FAN, RENHUA, CN
- [72] CHEN, HONGYU, CN
- [72] SUN, YABIN, CN
- [72] LI, DACHAO, US
- [72] COGEN, JEFFREY M., US
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
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- [72] KOTZEV, MIROSLAV TCHAVDAROV, US
- [71] RUNE LABS, INC., US
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- [54] SYSTEMES ET PROCEDES DE COMMERCE DANS UN SYSTEME DISTRIBUE A PROTOCOLES DE CHAINE DE BLOCS ET A CONTRATS INTELLIGENTS
- [72] KANG, JIMMY C., US
- [72] FROHLICH, EVAN KRESS, US
- [72] KATZ, JOSHUA, US
- [71] YELLOWHEART LLC, US
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- [54] PROCEDE ET APPAREIL DE DECHARGE ELECTRIQUE POUR L'USINAGE DE PIECES ALLONGEES
- [72] ARCIOMI, MASSIMO, IT
- [72] BESSI, MORANDO, IT
- [72] GATTOLI, DIEGO, IT
- [71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
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- [72] HAKENHOLT, CHRISTOPH, AT
- [71] HILTI AKTIENGESELLSCHAFT, LI
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- [54] ANALYSEUR DE MASSE A TEMPS DE VOL COMPACT
- [72] JOST, JURG, CH
- [72] HOFER, LUKAS, CH
- [71] SPACETEK TECHNOLOGY AG, CH
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- [54] SYSTEME D'ADMINISTRATION DE SOLVANT POUR ADMINISTRATION TOPIQUE DE PRINCIPES ACTIFS
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- [72] CHEN, XIN, US
- [71] TIMBER PHARMACEUTICALS, INC., US
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- [72] MARTINEZ-LLORDELLA, MARC, GB
- [72] SANCHEZ-FUEYO, ALBERTO, GB
- [71] KING'S COLLEGE LONDON, GB
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[54] METHOD AND SYSTEM FOR PRODUCING ULTRA-HIGH GRAVITY ALCOHOLIC BEVERAGES USING AN ENHANCED DRAW SOLUTION
[54] PROCEDE ET SYSTEME DE PRODUCTION DE BOISSONS ALCOOLISEES A DENSITE ULTRA-ELEVEE A L'AIDE D'UNE SOLUTION D'EXTRACTION AMELIOREE
[72] HAVEL, FREDERIK, CA
[72] DURKEE, DAVID, US
[71] COORS BREWING COMPANY, US
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[54] ENHANCED ONBOARD EQUIPMENT
[54] EQUIPEMENT EMBARQUE AMELIORE
[72] MANOHAR, NIKHIL, AE
[72] ABUFADEL, AMER, AE
[72] AOUDÉ, GEORGES, AE
[71] DERQ INC., VG
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[54] CONSTRUCTION EN ENTAILLE EFFILEE
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[72] GULBRANDSEN, PEDER J., US
[72] HULKÀ, SAMUEL D., US
[71] USG INTERIORS, LLC, US
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[54] PROCEDES DE TRAITEMENT DE LESIONS ET DE MALFORMATIONS VASCULAIRES
[72] COHEN, ALAN, US
[72] KOBETS, ANDREW, US
[72] NOVAK, JULIA, US
[72] MILLER, DENNIS, US
[71] BLAZE BIOSCIENCE, INC., US
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[54] SYSTEMES ET PROCEDES DE FACILITATION DES COMMUNICATIONS PAR ROBOT
[72] HIGHMAN, CHRISTOPHER, US
[72] KAUFFMAN, ANDREW, US
[72] KIRKPATRICK, CHUCK, US
[72] WIEGAND, KEVIN, US
[72] KIM, GUYSUNG, US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
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[25] EN
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[54] COMPOSITION D'ACIDE GRAS MONO-INSATURE ET SON UTILISATION POUR LE TRAITEMENT D'UNE STEATOSE HEPATIQUE
[72] BOYER, DAMION J., US
[72] BURKE, JOHN M., US
[71] BURKE & BOYER, INC., US
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[54] LURBINECTEDIN IN THE TREATMENT OF MALIGNANT MESOTHELIOMA
[54] LURBINECTEDINE DANS LE TRAITEMENT DU MESOTHELIOME MALIN
[72] METAXAS, IOANNIS, CH
[72] VON MOSS, ROGER, CH
[71] PHARMA MAR, S.A., ES
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[54]
[72] MAGNUSSON, STEFAN, CA
[72] MAGNUSSON, MARTA, CA
[71] CIPO, CA
[71] TAURUS TECHNOLOGIES
ELECTRIC INC., US
[85] 2022-02-18
[86] 2021-07-22 (PCT/US2021/042859)
[87] (3148701)
[30] US (US 16/941,477) 2020-07-28

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[25] EN
[54] WIND WALL
[54] MUR EOLIEN
[72] CALLE MADRID, ALFREDO RAUL,
PE
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[25] EN
[54] QUALITY OF SERVICE
INFORMATION NOTIFICATION
METHOD, DEVICE, AND SYSTEM
[54] PROCEDE DE NOTIFICATION
D'INFORMATIONS DE QUALITE
DE SERVICE, DISPOSITIF ET
SYSTEME
[72] SUN, HAIYANG, CN
[72] LI, YONGCUI, CN
[72] ZHU, FANGYUAN, CN
[72] LI, YAN, CN
[71] HUAWEI TECHNOLOGIES CO.,
LTD., CN
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[25] EN
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FLUOROPHORES FOR
QUANTIFICATION AND
PHENOTYPING OF
EXTRACELLULAR VESICLES
[54] FLUOROPHORES A HAUTE
LUMINOSITE POUR LA
QUANTIFICATION ET LE
PHENOTYPAGE DE VESICULES
EXTRACELLULAIRES
[72] YAP, YOKE KHIN, US
[72] ZHANG, DONGYAN, US
[72] YAPICI, NAZMIYE, US
[71] MICHIGAN TECHNOLOGICAL
UNIVERSITY, US
[85] 2022-02-18
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[30] US (62/889,691) 2019-08-21
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[25] EN
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PHARMACEUTICAL
COMPOSITION AND
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PREPARATION THEREOF
[54] COMPOSITION
PHARMACEUTIQUE DE
LACOSAMIDE ET SA
PREPARATION
PHARMACEUTIQUE
[72] LYU, SHAOQIONG, CN
[72] LI, SHOUFENG, CN
[72] ZHENG, XUN, CN
[72] WANG, ZHONGQIN, CN
[71] SHANGHAI AUCTA
PHARMACEUTICALS CO., LTD., CN
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[30] CN (201910490175.8) 2019-06-06
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G02B 30/00 (2020.01) G02B 30/50
(2020.01) A61B 3/00 (2006.01) G02B
27/00 (2006.01) G09G 3/00 (2006.01)
H04N 5/225 (2006.01)
[25] EN
[54] LIGHT FIELD VISION TESTING
DEVICE, ADJUSTED PIXEL
RENDERING METHOD
THEREFOR, AND VISION
TESTING SYSTEM AND METHOD
USING SAME
[54] DISPOSITIF DE TEST DE VISION
DE CHAMP LUMINEUX,
PROCEDE DE RENDU DE PIXELS
AJUSTE POUR CELUI-CI, ET
SYSTEME DE TEST DE VISION ET
PROCEDE UTILISANT CELUI-CI
[72] GOTSCHE, DANIEL, CA
[72] LUSSIER, GUILLAUME, CA
[72] GOC, MATEJ, CA
[72] GARCIA, YAIZA, CA
[72] MIHALI, RAUL, US
[71] EVOLUTION OPTIKS LIMITED, BB
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[86] 2020-08-22 (PCT/IB2020/057887)
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[30] US (16/551,572) 2019-08-26
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- [25] EN
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- [54] PROCEDE ET APPAREIL DE PRODUCTION D'UN MELANGE GAZEUX A HAUTE PRECISION DE MELANGE COMPRENANT UN ANALYTE VOLATIL
- [72] DALAL, NEERAJ, US
- [72] FRATTO, BRIAN E., US
- [72] OZDEMIR, KELLY, US
- [72] ZAOUK, ABDULLATIF, US
- [72] WILLIS, MICHAEL, US
- [72] STROHL, CLAIR, US
- [71] AUTOMOTIVE COALITION FOR TRAFFIC SAFETY, INC., US
- [85] 2022-02-18
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- [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
- [71] EVOLUTION OPTIKS LIMITED, BB
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- [87] (WO2021/038468)
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- [54] DISPOSITIF EPIDURAL PERMETTANT LA DETECTION D'UN ESPACE EPIDURAL ET LE PLACEMENT D'UNE AIGUILLE DANS CE DERNIER
- [72] DOLPHIN, MICHAEL D., CA
- [72] CARRELS, BRIANNA B., CA
- [72] COOKE, SIMON F., CA
- [72] HELLIWELL, JAMES A., CA
- [71] GUIDESTAR MEDICAL DEVICES, CA
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G02B 30/00 (2020.01) G02B 30/50
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- [54] **LIGHT FIELD VISION-BASED TESTING DEVICE, ADJUSTED PIXEL RENDERING METHOD THEREFOR, AND ONLINE VISION-BASED TESTING MANAGEMENT SYSTEM AND METHOD USING SAME**
- [54] **DISPOSITIF DE TEST DE CHAMP LUMINEUX BASE SUR LA VISION, PROCEDE DE RENDU DE PIXELS AJUSTE ASSOCIE, ET SYSTEME DE CORRECTION DE VISION ET PROCEDE L'UTILISANT**
- [72] MIHALI, RAUL, US
[72] GARCIA, YAIZA, CA
[72] LUSSIER, GUILLAUME, CA
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- [54] **ENTERPRISE-LEVEL SECURITY METHOD AND SYSTEM**
- [54] **PROCEDE ET SYSTEME DE SECURITE AU NIVEAU D'UNE ENTREPRISE**
- [72] BRUNO, ROBERT, US
[72] HIGGINS, LUKE, US
[71] MORGAN STANLEY SERVICES GROUP INC., US
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- [25] EN
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- [54] **MATERIAU D'ELECTROLYTE A L'ETAT SOLIDE A BASE DE SILICATE DE SODIUM**
- [72] NARAYANAN, SUMALETHA, CA
[72] BUTLER, SHANTEL, CA
[72] REID, SAMUEL, CA
[72] BAG, SOURAV, CA
[72] THANGADURAI,
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- [71] GEOMETRIC ENERGY
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- [25] EN
- [54] **METHOD FOR PRODUCING A FUEL USING RENEWABLE HYDROGEN**
- [54] **PROCEDE DE PRODUCTION D'UN COMBUSTIBLE A L'AIDE D'HYDROGNE RENOUVELABLE**
- [72] FOODY, PATRICK J., CA
[72] FOODY, BRIAN, CA
[72] BLACK, AMANDA, CA
[71] IOGEN CORPORATION, CA
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- [54] **METHOD FOR PRODUCING FUEL USING RENEWABLE METHANE**
- [54] **PROCEDE DE PRODUCTION DE CARBURANT EN FAISANT APPEL A DU METHANE RENOUVELABLE**
- [72] FOODY, PATRICK J., CA
[71] IOGEN CORPORATION, CA
[85] 2022-02-19
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[72] SMITH, CHRISTOPHER RONALD, US

[72] ALLEN, SHELLEY, US

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[72] NEWHOUSE, BRAD, US

[72] O'LEARY, JACOB MATTHEW, US

[72] RODRIGUEZ, MARTHA E., US

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[72] TANG, TONY P., US

[72] KAHN, DEAN RUSSELL, US

[72] GAUDINO, JOHN, US

[72] HILTON, MICHAEL CHRISTOPHER, US

[71] MIRATI THERAPEUTICS, INC., US

[71] ARRAY BIOPHARMA INC., US

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[13] A1

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[54] DERIVES DE SILOXANE D'ACIDES AMINES AYANT DES PROPRIETES TENSIOACTIVES

[72] ASIRVATHAM, EDWARD, US

[72] HONCIUC, ANDREI, US

[72] MIHALI, VOICHITA, US

[71] ADVANSIX RESINS & CHEMICALS LLC., US

[85] 2022-02-21

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[13] A1

[51] Int.Cl. A47J 27/13 (2006.01) A47J 37/10 (2006.01)

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[54] AN IMPROVED COMBINATION COOKWARE SYSTEM

[54] SYSTEME DE BATTERIE DE CUISINE COMBINE AMELIORE

[72] BURRAGE, CHRISTOPHER, US

[72] LEO, ANTHONY, US

[72] ROSE, PHILIP, US

[71] PROCLAMATION GOODS CO., US

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[25] EN

[54] SYSTEM AND METHOD FOR SPACE OBJECT DETECTION IN DAYTIME SKY IMAGES

[54] SYSTEME ET PROCEDE DE DETECTION D'OBJETS SPATIAUX DANS DES IMAGES DE CIEL DIURNE

[72] SHADDIX, JEFFREY HALE, US

[72] HARIRI, AUSTIN TYLER, US

[72] ARISTOFF, JEFFREY MICHAEL, US

[71] NUMERICA CORPORATION, US

[85] 2022-02-21

[86] 2020-08-28 (PCT/US2020/048555)

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[13] A1

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[54] FORMULATIONS MATIFIANTES A BASE DE SILICE ET PROCEDES POUR LES FABRIQUER ET LES UTILISER

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[72] PRYOR, JAMES NEIL, US

[72] KORANNE, MANOJ, US

[71] W. R. GRACE & CO.-CONN., US

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[13] A1

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[25] EN

[54] LID FOR A CUP

[54] COUVERCLE POUR UN GOBELET

[72] D'AMATO, GIANFRANCO, IT

[71] SEDA INTERNATIONAL PACKAGING GROUP SPA, IT

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- [54] SYSTEME DE CATHETER POUR FACILITER LA COLLECTE DE SANG ET PROCEDES ASSOCIES
- [72] KUMAR, JITHENDRA, SG
- [71] BECTON, DICKINSON AND COMPANY, US
- [85] 2022-02-21
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- [87] (WO2021/050201)
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- [25] EN
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- [54] SYSTEME DE CATHETER DESTINE A FACILITER LE PRELEVEMENT SANGUIN ET METHODES ASSOCIEES
- [72] KUNARDI, LINDA, SG
- [72] CHENG, KIAT JIN, SG
- [71] BECTON, DICKINSON AND COMPANY, US
- [85] 2022-02-21
- [86] 2020-08-20 (PCT/US2020/047168)
- [87] (WO2021/050236)
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- [72] MARLOWE, TIMOTHY, US
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- [25] EN
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- [54] DISPOSITIFS, SYSTEMES ET PROCEDES DE COLLECTE DE SANG
- [72] YAN, BO, CN
- [72] CHEN, XIWEI, CN
- [72] JIANG, TAO, CN
- [72] HU, OLIVIA, CN
- [71] BECTON, DICKINSON AND COMPANY, US
- [85] 2022-02-21
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- [54] SYSTEME DE CONVOYEUR DE DETOURNEMENT ET DE PLIAGE
- [72] WARD, ANDREW, US
- [72] FAUST, CHARLES D., US
- [72] PIETRINFERNI, DANTE, US
- [71] PACPROINC, LLC, US
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[54] ADAPTATEUR DE DISPOSITIF
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[30] US (62/898,291) 2019-09-10
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[54] PROCEDE ET DISPOSITIF DE
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[72] YANG, XIAN, CN
[71] 10353744 CANADA LTD., CA
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[54] PROCEDE D'OBTENTION ET DE
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[72] NGUYEN, NGOC DIEP, VN
[72] HOANG, DUONG THANH, VN
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[13] A1

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[72] EBERT, JEFFERSON THOMAS, US
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[87] (3148929)
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[51] Int.Cl. E06B 3/673 (2006.01)
[25] EN
[54] DEVICE AND PROCEDURE FOR
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[54] DISPOSITIF ET PROCEDE
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[72] VIANELLO, FORTUNATO, IT
[72] VIANELLO, RICCARDO, IT
[72] MOSCHINI, DINO, IT
[71] FOREL S.P.A., IT
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[25] EN
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[72] YAN, HUA, CN
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 - [72] SHOLL, DAVID SCOTT, US
 - [72] YOU, WENQIN, US
 - [71] GEORGIA TECH RESEARCH CORPORATION, US
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- [25] EN
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- [54] SYSTEMES, DISPOSITIFS ET PROCEDES DE SURVEILLANCE DE POSITION DE FAISCEAU ET D'IMAGERIE PAR FAISCEAU
- [72] VEKSELMAN, VLADISLAV, US
- [72] DUNAEVSKY, ALEXANDER, US
- [71] TAE TECHNOLOGIES, INC., US
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- [86] 2020-08-28 (PCT/US2020/048443)
- [87] (WO2021/041837)
- [30] US (62/894,220) 2019-08-30
- [30] US (62/894,290) 2019-08-30
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 - [25] EN
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 - [72] ZHANG, PENG, CN
 - [72] LI, BAIYONG, CN
 - [72] XIA, YU, CN
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 - [71] AKESO BIOPHARMA, INC., CN
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 - [30] CN (201910836601.9) 2019-09-03
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- [25] EN
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- [54] PROCEDE DE COMPRESSION DE DONNEES DE SEQUENCE GENOMIQUE
- [72] RIZK, GUILLAUME ALEXANDRE PASCAL, US
- [71] ILLUMINA, INC., US
- [85] 2022-02-22
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 - [25] EN
 - [54] ISOLATED MODIFIED VP1 CAPSID PROTEIN OF AAV5
 - [54] PROTEINE MODIFIEE SEPAREE VP1 DE CAPSIDE DE AAV5
 - [72] STRELKOVA, ANNA NIKOLAEVNA, RU
 - [72] KARABELSKII, ALEKSANDR VLADIMIROVICH, RU
 - [72] MADERA, DMITRIJ ALEKSANDROVICH, RU
 - [72] PEREPELKINA, MARIYA PAVLOVNA, RU
 - [72] IURLOVA, ELENA VICTOROVNA, RU
 - [72] GERSHOVICH, PAVEL MIKHAILOVICH, RU
 - [72] PROKOFYEV, ALEXANDR VLADIMIROVICH, RU
 - [72] MOROZOV, DMITRY VALENTINOVICH, RU
 - [71] LIMITED LIABILITY COMPANY "ANABION", RU
 - [85] 2022-02-22
 - [86] 2020-08-21 (PCT/RU2020/000445)
 - [87] (WO2021/034222)
 - [30] RU (2019126509) 2019-08-22
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- [51] Int.Cl. A23L 33/105 (2016.01) A61K 47/44 (2017.01)
- [25] EN
- [54] METHOD AND APPARATUS FOR THE INFUSION OF CANNABINOIDS INTO A SHELF-STABLE FOOD COMPOSITION
- [54] PROCEDE ET APPAREIL POUR L'INFUSION DE CANNABINOÏDES DANS UNE COMPOSITION ALIMENTAIRE A LONGUE CONSERVATION
- [72] FILIPETTO, GIANNA MARIE, US
- [71] FILIPETTO, GIANNA MARIE, US
- [85] 2022-02-22
- [86] 2020-08-25 (PCT/US2020/047788)
- [87] (WO2021/041404)
- [30] US (62/891,742) 2019-08-26

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 - [25] EN
 - [54] HYDROGEN-FUELLED GAS TURBINE POWER SYSTEM AND METHOD FOR ITS OPERATION
 - [54] SYSTEME D'ALIMENTATION DE TURBINE A GAZ A HYDROGENE ET SA METHODE DE FONCTIONNEMENT
 - [72] RAAHEIM, ARNE, NO
 - [72] DI GIULIO, NICOLA, NO
 - [72] RYENGEN, KATHRINE, NO
 - [72] MOWILL, FREDRIK, NO
 - [71] ZEG POWER AS, NO
 - [85] 2022-02-22
 - [86] 2020-08-19 (PCT/NO2020/050208)
 - [87] (WO2021/040528)
 - [30] NO (20191038) 2019-08-28
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- [51] Int.Cl. A61M 5/32 (2006.01)
- [25] EN
- [54] HINGED NEEDLE SHIELD AND NEEDLE ASSEMBLIES
- [54] PROTECTION D'AIGUILLE ARTICULEE ET ENSEMBLES AIGUILLES
- [72] RYAN, KEVIN M., US
- [72] HUENERFAUTH, ANGELA, US
- [72] PICK, THOMAS ANTHONY, US
- [72] ARAZO, RAMON, ES
- [72] NOGUES RUBIO, MIGUEL LUIS, ES
- [71] BECTON, DICKINSON AND COMPANY, US
- [85] 2022-02-22
- [86] 2020-09-11 (PCT/US2020/050279)
- [87] (WO2021/050794)
- [30] US (62/900,147) 2019-09-13
- [30] US (62/901,603) 2019-09-17
- [30] US (17/017,263) 2020-09-10

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- [51] Int.Cl. B01J 39/20 (2006.01) C08F 8/34 (2006.01) C08F 214/26 (2006.01)
- [25] EN
- [54] POLYMERS, FLUORINATED IONIC POLYMER NETWORKS, AND METHODS RELATED THERETO
- [54] POLYMERES, RESEAUX DE POLYMERES IONIQUES FLUORES, ET LEURS PROCEDES ASSOCIES
- [72] LEIBFARTH, FRANK, US
- [72] KUMARASAMY, ELANGO, US
- [72] MANNING, IRENE, US
- [71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
- [85] 2022-02-22
- [86] 2020-08-21 (PCT/US2020/047365)
- [87] (WO2021/041198)
- [30] US (62/891,111) 2019-08-23

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[13] A1

- [51] Int.Cl. B61L 23/04 (2006.01) B61K 9/08 (2006.01) B61L 25/02 (2006.01)
- [25] EN
- [54] METHOD AND MEASURING VEHICLE FOR DETERMINING AN ACTUAL POSITION OF A TRACK
- [54] PROCEDE ET VEHICULE DE MESURE POUR DETERMINER UNE POSITION REELLE D'UNE VOIE FERREE
- [72] AUER, FLORIAN, AT
- [72] BUCHBAUER, DAVID, AT
- [72] BURGER, MARTIN, AT
- [72] METZGER, BERNHARD, US
- [72] HINTERBERGER, FABIAN, AT
- [71] TRACK MACHINES CONNECTED GESELLSCHAFT M.B.H., AT
- [85] 2022-02-22
- [86] 2020-07-31 (PCT/EP2020/071628)
- [87] (WO2021/037476)
- [30] AT (A 284/2019) 2019-08-29

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- [51] Int.Cl. A41D 13/05 (2006.01) A41D 13/08 (2006.01) A41D 27/10 (2006.01) A41D 31/00 (2019.01) A63B 71/12 (2006.01) G10G 7/00 (2006.01)
 - [25] EN
 - [54] APPENDAGE GARMENT WITH ENHANCED TRACTION
 - [54] VETEMENT D'APPENDICE A TRACTION RENFORCEE
 - [72] PULLEN, MICHAEL, US
 - [72] QUON, MATHEW, US
 - [72] READY, JUD, US
 - [71] LZRD TECH, LLC., US
 - [85] 2022-02-22
 - [86] 2020-08-21 (PCT/US2020/047423)
 - [87] (WO2021/035148)
 - [30] US (62/890,109) 2019-08-22
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[21] 3,149,019

[13] A1

- [51] Int.Cl. F04B 41/02 (2006.01)
 - [25] EN
 - [54] DUAL MOTOR COMPRESSOR
 - [54] DOUBLE COMPRESSEUR A MOTEUR
 - [72] WOOD, JEFFERY, US
 - [71] WOOD INDUSTRIES INC., US
 - [85] 2022-02-22
 - [86] 2020-10-14 (PCT/US2020/055611)
 - [87] (WO2021/076647)
 - [30] US (16/601,174) 2019-10-14
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- [51] Int.Cl. A47C 21/06 (2006.01)
- [25] EN
- [54] ACTIVE MATTRESS SPINNER
- [54] DISPOSITIF ACTIF DE ROTATION DE MATELAS
- [72] SCARLESKI, WILLIAM JOHN, US
- [71] LEVITATION SCIENCES LLC, US
- [85] 2022-02-22
- [86] 2020-08-31 (PCT/US2020/048797)
- [87] (WO2021/042053)
- [30] US (62/893,511) 2019-08-29

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[21] **3,149,021**
[13] A1

- [51] Int.Cl. F26B 21/02 (2006.01) A23L 3/40 (2006.01)
- [25] EN
- [54] SUPERSONIC DEHYDRATION AND DISINFECTION SYSTEM AND METHOD
- [54] SYSTEME ET PROCEDE DE DESHYDRATATION ET DE DESINFECTION SUPERSONIQUE
- [72] WIND, JAAP, NL
- [72] BOS, ARIE CORNELIS, NL
- [71] BOS, ARIE CORNELIS, NL
- [85] 2022-02-22
- [86] 2020-08-28 (PCT/IB2020/058066)
- [87] (WO2021/038521)
- [30] US (62/893,454) 2019-08-29

[21] **3,149,023**
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- [51] Int.Cl. G01V 1/16 (2006.01) G01V 1/18 (2006.01)
- [25] EN
- [54] WIRELESS SEISMIC ACQUISITION NODE AND METHOD
- [54] PROCEDE ET N?UD D'ACQUISITION SISMIQUE SANS FIL
- [72] DABOUINEAU, JOHANN, FR
- [72] TIJOU, BERTRAND, FR
- [72] GREGOIRE, CHRISTIAN, FR
- [72] BERNARD, CYRILLE, FR
- [72] SENG, PAGNARIT, FR
- [71] SERCEL, FR
- [85] 2022-02-22
- [86] 2020-09-11 (PCT/IB2020/000762)
- [87] (WO2021/048629)
- [30] US (16/569,755) 2019-09-13

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- [51] Int.Cl. A01N 1/00 (2006.01) A01N 1/02 (2006.01) F25D 3/00 (2006.01) F25D 3/06 (2006.01) F25D 3/08 (2006.01)
- [25] EN
- [54] PRESSURIZED SYSTEM FOR TISSUE TRANSPORT AND PRESERVATION
- [54] SYSTEME PRESSURISE POUR LE TRANSPORT ET LA CONSERVATION DE TISSU
- [72] ANDERSON, LISA MARIA, US
- [72] JUDSON, JARED ALDEN, US
- [72] EDELMAN, WILLIAM, US
- [71] PARAGONIX TECHNOLOGIES, INC., US
- [85] 2022-02-22
- [86] 2020-08-21 (PCT/US2020/047324)
- [87] (WO2021/041181)
- [30] US (62/890,877) 2019-08-23

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- [25] EN
- [54] COMBINATION VACCINE FOR INTRADERMAL ADMINISTRATION
- [54] VACCIN COMBINE POUR ADMINISTRATION INTRADERMIQUE
- [72] JANSEN, THEODORUS, NL
- [72] SNO, MELANIE, NL
- [72] WITVLIET, MAARTEN HENDRIK, NL
- [72] PIEST, MARTIN, NL
- [71] INTERVET INTERNATIONAL B.V., NL
- [85] 2022-02-22
- [86] 2020-09-11 (PCT/EP2020/075454)
- [87] (WO2021/048338)
- [30] EP (19196890.8) 2019-09-12

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[13] A1

- [51] Int.Cl. C22B 3/16 (2006.01)
- [25] EN
- [54] METHOD OF SEPARATING GRAINS OF VALUABLE MINERALS, PRECIOUS METALS, RARE-EARTH METALS, PRECIOUS AND SEMI-PRECIOUS STONES FROM NATURAL ORES IN THE AQUATIC ENVIRONMENT BY MEANS OF THE PHENOMENON OF ADHESION
- [54] PROCEDE DE SEPARATION DE GRAINS DE MINERAUX DE VALEUR, DE METAUX PRECIEUX, DE METAUX DE TERRES RARES, DE PIERRES PRECIEUSES ET SEMI-PRECIEUSES A PARTIR DE MINERAIS NATURELS DANS L'ENVIRONNEMENT AQUATIQUE AU MOYEN DU PHENOMENE D'ADHERENCE
- [72] CIECHULSKI, ANDRZEJ, PL
- [71] CIECHULSKI, ANDRZEJ, PL
- [85] 2022-02-22
- [86] 2020-08-17 (PCT/PL2020/000069)
- [87] (WO2021/040546)
- [30] PL (P.430975) 2019-08-28

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- [51] Int.Cl. B63B 35/00 (2020.01) F03D 13/40 (2016.01) B63B 77/10 (2020.01)
- [25] EN
- [54] SYSTEM FOR TRANSPORTING AN OFFSHORE STRUCTURE
- [54] SYSTEME DE TRANSPORT D'UNE STRUCTURE EN MER
- [72] VAN DER TEMPEL, JAN, NL
- [72] METRIKINE, ANDREY VLADIMIROVICH, NL
- [71] DELFT OFFSHORE TURBINE B.V., NL
- [85] 2022-02-22
- [86] 2020-08-21 (PCT/NL2020/050523)
- [87] (WO2021/040516)
- [30] NL (2023699) 2019-08-23

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- [25] EN
- [54] METHODS FOR THE ADMINISTRATION OF CERTAIN VMAT2 INHIBITORS
- [54] PROCEDES D'ADMINISTRATION DE CERTAINS INHIBITEURS DE VMAT2 A DES PATIENTS PRESENTANT UNE INSUFFISANCE RENALE GRAVE
- [72] LOEWEN, GORDON RAPHAEL, US
- [72] LUO, SHA ROSA, US
- [71] NEUROCRINE BIOSCIENCES, INC., US
- [85] 2022-02-22
- [86] 2020-08-21 (PCT/US2020/047392)
- [87] (WO2021/041208)
- [30] US (62/890,697) 2019-08-23
- [30] US (63/028,754) 2020-05-22

[21] 3,149,038
[13] A1

- [51] Int.Cl. C09K 8/584 (2006.01) G01N 21/51 (2006.01)
- [25] EN
- [54] METHOD FOR DETERMINING THE FORMATION OF A WINSOR III MICROEMULSION SYSTEM
- [54] PROCEDE PERMETTANT LA DETERMINATION DE LA FORMATION D'UN SYSTEME DE MICROEMULSION WINSOR III
- [72] LEMAHIEU, GUILLAUME, FR
- [72] ONTIVEROS, JESUS FERMIN, FR
- [72] AUBRY, JEAN-MARIE, FR
- [72] MOLINIER, VALERIE, FR
- [71] TOTALENERGIES ONE TECH, FR
- [71] UNIVERSITE DE LILLE, FR
- [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
- [71] ECOLE NATIONALE SUPERIEURE DE CHIMIE DE LILLE, FR
- [85] 2022-02-22
- [86] 2019-09-09 (PCT/IB2019/001002)
- [87] (WO2021/048578)

[21] 3,149,040
[13] A1

- [51] Int.Cl. B05B 1/02 (2006.01) A47K 3/28 (2006.01) B05B 1/08 (2006.01) B05B 1/16 (2006.01) B05B 1/30 (2006.01) F15C 1/16 (2006.01) F15C 1/22 (2006.01)
- [25] EN
- [54] FLUIDIC OSCILLATOR
- [54] OSCILLATEUR FLUIDIQUE
- [72] KOLEKAR, NITIN S., US
- [71] AS AMERICA, INC., US
- [85] 2022-02-22
- [86] 2020-09-15 (PCT/US2020/050801)
- [87] (WO2021/055309)
- [30] US (62/900,745) 2019-09-16

[21] 3,149,041
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- [51] Int.Cl. C12N 15/86 (2006.01) C12N 7/01 (2006.01)
- [25] EN
- [54] COMPOSITIONS AND METHODS FOR TREATING VIRAL INFECTIONS
- [54] COMPOSITIONS ET METHODES POUR LE TRAITEMENT D'INFECTIONS VIRALES
- [72] GUMRUKCU, SERHAT, US
- [71] G TECH BIO LLC, US
- [85] 2022-02-22
- [86] 2020-08-28 (PCT/US2020/048370)
- [87] (WO2021/041787)
- [30] US (62/893,460) 2019-08-29
- [30] US (62/968,387) 2020-01-31
- [30] US (62/976,491) 2020-02-14
- [30] US (62/985,597) 2020-03-05

[21] 3,149,042
[13] A1

- [51] Int.Cl. C25B 15/08 (2006.01)
- [25] EN
- [54] CROSS-FLOW WATER ELECTROLYSIS
- [54] ELECTROLYSE DE L'EAU A FLUX CROISE
- [72] KUHLMANN, JENS WILHELM, DE
- [72] HOORMANN, DIRK, DE
- [72] KOLBE, JORG, DE
- [72] LUKE, LUKAS, DE
- [72] POLCYN, GREGOR DAMIAN, DE
- [71] THYSSENKRUPP UHDE CHLORINE ENGINEERS GMBH, DE
- [85] 2022-02-22
- [86] 2020-08-19 (PCT/EP2020/073215)
- [87] (WO2021/043578)
- [30] DE (10 2019 123 858.7) 2019-09-05

[21] 3,149,043
[13] A1

- [51] Int.Cl. B01D 53/14 (2006.01) B01D 53/52 (2006.01) E21B 41/00 (2006.01) E21B 43/40 (2006.01)
- [25] EN
- [54] A METHOD AND A SYSTEM FOR ABATING H2S AND CO2 FROM H2S AND CO2 RICH GAS MIXTURES SUCH AS GEOTHERMAL NON-CONDENSABLE GAS MIXTURES
- [54] PROCEDE ET SYSTEME DE SUPPRESSION DE H2S ET CO2 DE MELANGES DE GAZ RICHES H2S ET CO2 EN TANT QUE MELANGES DE GAZ NON-CONDENSABLES GEOTHERMIQUES
- [72] SIGFUSSON, BERGUR, IS
- [72] ARNARSON, MAGNUS POR, IS
- [72] GUNNARSSON, INGVI, IS
- [72] GUNNARSSON, TEITUR, IS
- [72] EINARSSON, JOHANN GARDAR, IS
- [71] CARBFIX, IS
- [85] 2022-02-22
- [86] 2020-09-17 (PCT/EP2020/076005)
- [87] (WO2021/053084)
- [30] EP (19197831.1) 2019-09-17

[21] 3,149,044
[13] A1

- [51] Int.Cl. H04L 9/08 (2006.01)
- [25] FR
- [54] METHOD FOR SECURELY TRANSMITTING SEQUENCES OF QUANTUM STATES BETWEEN A PLURALITY OF ONLINE PARTICIPANTS OVER A QUANTUM COMMUNICATION CHANNEL
- [54] PROCEDE DE TRANSMISSION SECURISEE DE SEQUENCES D'ETATS QUANTIQUES ENTRE PLUSIEURS PARTICIPANTS EN LIGNE SUR UN CANAL DE COMMUNICATION QUANTIQUE
- [72] KAPLAN, MARC, FR
- [72] HARDER, GEORGE, FR
- [71] VERILOUD, FR
- [85] 2022-02-22
- [86] 2020-09-03 (PCT/EP2020/074576)
- [87] (WO2021/043891)
- [30] FR (FR1909839) 2019-09-06

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- [25] EN
- [54] OPHTHALMIC COMPOSITION FOR THE TREATMENT OF UVEITIS
- [54] COMPOSITION OPHTALMIQUE POUR LE TRAITEMENT DE L'UVEITE
- [72] HAISSER, JORG, DE
- [72] LOSCHER, FRANK, DE
- [72] LEO, CHIARA SILVANA, DE
- [72] BEIER, MARKUS, DE
- [71] NOVALIQ GMBH, DE
- [85] 2022-02-22
- [86] 2020-09-05 (PCT/EP2020/074884)
- [87] (WO2021/044045)
- [30] EP (19195793.5) 2019-09-06

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- [51] Int.Cl. C12P 7/22 (2006.01) C12P 17/06 (2006.01)
- [25] EN
- [54] CANNABINOID CONCENTRATE AND ISOLATE, METHOD OF OBTAINING THE SAME AND USE THEREOF
- [54] CONCENTRE ET ISOLAT DE CANNABINOÏDES, PROCEDE D'OBTENTION ET UTILISATION
- [72] VENTURINI DEL GRECO, GIOVANNI, IT
- [72] VENTURINI DEL GRECO, LORENZO, IT
- [72] DECORTI, DEBORHA, IT
- [71] HERBOLEA BIOTECH S.P.A., IT
- [85] 2022-02-22
- [86] 2019-08-27 (PCT/EP2019/072843)
- [87] (WO2021/037343)

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- [25] EN
- [54] METHOD FOR THE TREATMENT OF CHRONIC FATIGUE SYNDROME USING AN INHIBITORY OR CYTOTOXIC AGENT AGAINST PLASMA CELLS
- [54] PROCEDE DE TRAITEMENT DU SYNDROME DE FATIGUE CHRONIQUE A L'AIDE D'UN AGENT INHIBITEUR OU CYTOTOXIQUES CONTRE DES CELLULES PLASMATIQUES
- [72] FLUGE, OYSTEIN, NO
- [72] MELLA, OLAV, NO
- [71] VESTLANDETS INNOVASJONSSELSKAP AS, NO
- [85] 2022-02-22
- [86] 2020-08-31 (PCT/EP2020/074186)
- [87] (WO2021/038097)
- [30] US (62/893,838) 2019-08-30

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- [25] EN
- [54] HANDHELD SHOWERHEAD WITH PUSH-BUTTON RELEASE MECHANISM
- [54] POMME DE DOUCHE PORTATIVE A MECANISME DE LIBERATION PAR BOUTON-POUSSOIR
- [72] SHADE, ROB, US
- [72] BERLOVAN, VIOREL JR., US
- [71] WAXMAN CONSUMER PRODUCTS GROUP INC., US
- [85] 2022-02-22
- [86] 2021-05-11 (PCT/US2021/031738)
- [87] (WO2021/242513)
- [30] US (63/031,728) 2020-05-29

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- [51] Int.Cl. C08L 95/00 (2006.01) E04D 1/00 (2006.01)
 - [25] EN
 - [54] BIOSOLVENTS USEFUL FOR IMPROVED ASPHALT PRODUCTS UTILIZING RECYCLED ASPHALT PAVEMENT OR OTHER BRITTLE ASPHALT BINDERS SUCH AS VACUUM TOWER BOTTOM
 - [54] BIOSOLVANTS UTILES POUR DES PRODUITS ASPHALTIQUES AMELIORÉS UTILISANT UN REVETEMENT D'ASPHALTE RECYCLE OU D'AUTRES LIANTS D'ASPHALTE FRAGILES TELS QUE LE FOND DE TOUR SOUS VIDE
 - [72] COCHRAN, ERIC W., US
 - [72] HERNANDEZ, NACU, US
 - [72] HOHMANN, AUSTIN, US
 - [72] WILLIAMS, RONALD CHRISTOPHER, US
 - [72] FORRESTER, MICHAEL, US
 - [72] PODOLSKY, JOSEPH H., US
 - [72] LEDTJE, PAUL, US
 - [72] CHEN, CONGLIN, US
 - [71] IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
 - [85] 2022-02-22
 - [86] 2020-09-18 (PCT/US2020/051588)
 - [87] (WO2021/055815)
 - [30] US (62/901,911) 2019-09-18
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- [25] EN
- [54] ROTOR
- [54] ROTOR
- [72] SORENSEN, JENS JORREN, DK
- [72] ROSENBERG, GORM, DK
- [71] ROCKWOOL INTERNATIONAL A/S, DK
- [85] 2022-02-22
- [86] 2020-09-09 (PCT/EP2020/075158)
- [87] (WO2021/048178)
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- [25] EN
- [54] PESTICIDALLY ACTIVE CYCLIC AMINE COMPOUNDS
- [54] COMPOSES AMINES CYCLIQUES A ACTION PESTICIDE
- [72] HUETER, OTTMAR FRANZ, CH
- [72] BONVALOT, DAMIEN, CH
- [72] BOU HAMDAN, FARHAN, CH
- [72] EDMUND, ANDREW, CH
- [72] GAGNEPAIN, JULIEN DANIEL HENRI, CH
- [72] HILLESHEIM, ELKE MARIA, CH
- [72] JACOB, OLIVIER, CH
- [72] JUNG, PIERRE JOSEPH MARCEL, CH
- [72] KOLLETH KRIEGER, AMANDINE, CH
- [72] NAPOLITANO, CARMELA, CH
- [72] PITTERNA, THOMAS, CH
- [72] POULIOT, MARTIN, CH
- [72] RENDLER, SEBASTIAN, CH
- [72] RENOLD, PETER, CH
- [72] SCARBOROUGH, CHRISTOPHER CHARLES, CH
- [72] SIKERVAR, VIKAS, IN
- [71] SYNGENTA CROP PROTECTION AG, CH
- [85] 2022-02-22
- [86] 2020-09-18 (PCT/EP2020/076134)
- [87] (WO2021/053161)
- [30] EP (19198814.6) 2019-09-20
- [30] IN (202011033968) 2020-08-07

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- [51] Int.Cl. C12N 15/10 (2006.01) C12Q 1/6869 (2018.01)
- [25] EN
- [54] METHODS FOR DNA LIBRARY GENERATION TO FACILITATE THE DETECTION AND REPORTING OF LOW FREQUENCY VARIANTS
- [54] PROCEDES DE GENERATION DE BIBLIOTHEQUE D'ADN POUR FACILITER LA DETECTION ET LE RAPPORT DE VARIANTS A BASSE FREQUENCE
- [72] MACHERET, MORGANE, CH
- [72] POZZORINI, CHRISTIAN, CH
- [72] WILLIG, ADRIAN, CH
- [72] BIELER, JONATHAN, CH
- [72] XU, ZHENYU, CH
- [71] SOPHIA GENETICS S.A., CH
- [85] 2022-02-22
- [86] 2020-09-21 (PCT/EP2020/076246)
- [87] (WO2021/053208)
- [30] EP (19198542.3) 2019-09-20

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- [25] EN
- [54] OPTICAL DEVICE AND METHOD OF MANUFACTURE THEREOF
- [54] DISPOSITIF OPTIQUE ET SON PROCEDE DE FABRICATION
- [72] HOLMES, BRIAN, GB
- [72] FOURNIER, FREDERIC, GB
- [71] DE LA RUE INTERNATIONAL LIMITED, GB
- [85] 2022-02-22
- [86] 2020-10-09 (PCT/GB2020/052519)
- [87] (WO2021/069918)
- [30] GB (1914770.1) 2019-10-11

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- [51] Int.Cl. A61F 2/50 (2006.01) A61F 2/76 (2006.01) F16F 1/366 (2006.01) F16F 1/40 (2006.01)
- [25] EN
- [54] COMPOSITE SPRINGS, COMPOSITE SPRING ASSEMBLIES, AND METHODS FOR MAKING THE SAME
- [54] RESSORTS COMPOSITES, ENSEMBLES RESSORT COMPOSITE ET LEURS PROCEDES DE FABRICATION
- [72] GELDART, MICHAEL, US
- [72] FARNESE, TYLER JAMES, US
- [72] LIM, YERAM, US
- [71] GRD INNOVATIONS LLC, US
- [85] 2022-02-22
- [86] 2019-08-29 (PCT/US2019/048897)
- [87] (WO2021/040725)

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- [25] EN
- [54] A MUCILAGE BASED PLANT PROTECTION PRODUCT AND METHOD THEREOF
- [54] PRODUIT DE PROTECTION DE PLANTE A BASE DE MUCILAGE ET PROCEDE ASSOCIE
- [72] KITRON, YANIV, IL
- [72] KITRON, AMIR, IL
- [71] BOTANOHEALTH LTD, IL
- [85] 2022-02-22
- [86] 2020-08-20 (PCT/IL2020/050918)
- [87] (WO2021/033192)
- [30] US (62/890,084) 2019-08-22

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[51] Int.Cl. A24F 40/465 (2020.01) A24F 40/20 (2020.01) A24F 40/50 (2020.01) A24F 40/53 (2020.01)

[25] EN

[54] AEROSOL-GENERATING DEVICE WITH MEANS FOR DETECTING AT LEAST ONE OF THE INSERTION OR THE EXTRACTION OF AN AEROSOL-GENERATING ARTICLE INTO OR FROM THE DEVICE

[54] DISPOSITIF DE GENERATION D'AEROSOL DOTE DE MOYENS DE DETECTION D'AU MOINS L'UNE DES ACTIONS SUIVANTES : L'INSERTION D'UN ARTICLE DE GENERATION D'AEROSOL DANS LE DISPOSITIF ET L'EXTRACTION D'UN ARTICLE DE GENERATION D'AEROSOL HORS DU DISPOSITI

[72] COURBAT, JEROME, CH

[72] FURSA, OLEG, CH

[72] MIRONOV, OLEG, CH

[72] STURA, ENRICO, CH

[72] OLIANA, VALERIO, CH

[72] BUTIN, YANNICK, CH

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2022-02-22

[86] 2020-05-27 (PCT/EP2020/064693)

[87] (WO2021/037403)

[30] EP (19193286.2) 2019-08-23

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[51] Int.Cl. A23L 5/30 (2016.01) A23L 19/00 (2016.01)

[25] EN

[54] HIGH-FIBER / LOW-SUGAR FRUIT SNACKS

[54] COLLATIONS A BASE DE FRUITS A HAUTE TENEUR EN FIBRES/FAIBLE TENEUR EN SUCRE

[72] EISNER, PETER, DE

[72] ARTEAGA, VERONICA GARCIA, DE

[71] PASONA KNOWLEDGE PARTNER INC., JP

[85] 2022-02-22

[86] 2020-08-25 (PCT/EP2020/073674)

[87] (WO2021/037819)

[30] US (62/891,690) 2019-08-26

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[51] Int.Cl. C07D 255/00 (2006.01) A61K 31/506 (2006.01) A61P 19/02 (2006.01) A61P 35/00 (2006.01) C07D 255/02 (2006.01) C07D 401/02 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01)

[25] EN

[54] PYRIMIDINE COMPOUND AND PREPARATION METHOD THEREFOR

[54] COMPOSE DE PYRIMIDINE ET SON PROCEDE DE PREPARATION

[72] ZHANG, XUEJUN, CN

[72] LI, LIE, CN

[72] SHEN, JIE, CN

[72] WEI, WENJUN, CN

[72] LEI, SIJUN, CN

[72] DING, XIAOHUA, CN

[72] ZANG, YANG, CN

[72] SUN, HONGNA, CN

[72] FU, QIANGQIANG, CN

[71] WUHAN HUMANWELL INNOVATIVE DRUG RESEARCH AND DEVELOPMENT CENTER LIMITED COMPANY, CN

[85] 2022-02-22

[86] 2020-09-04 (PCT/CN2020/113474)

[87] (WO2021/043260)

[30] CN (201910841159.9) 2019-09-06

[30] CN (201910846545.7) 2019-09-06

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[13] A1

[25] EN

[54] INTERNET PROTOCOL ADDRESS ALLOCATION FOR INTEGRATED ACCESS AND BACKHAUL NODES

[54] ATTRIBUTION D'ADRESSES DE PROTOCOLE INTERNET A DES N?UDS D'ACCES ET DE LIAISON TERRESTRE INTEGRE

[72] MILDH, GUNNAR, SE

[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE

[85] 2022-02-22

[86] 2020-06-22 (PCT/IB2020/055867)

[87] (WO2021/033036)

[30] US (62/890,577) 2019-08-22

[21] 3,149,065

[13] A1

[51] Int.Cl. G01C 21/00 (2006.01) G01C 21/20 (2006.01) G01S 1/72 (2006.01) G01S 15/06 (2006.01) G01S 15/89 (2006.01)

[25] EN

[54] AUTOMATIC EGRESS/INGRESS DETECTION IN AN ACOUSTIC POSITIONING SYSTEM

[54] DETECTION DE SORTIE/D'ENTREE AUTOMATIQUE DANS UN SYSTEME DE POSITIONNEMENT ACOUSTIQUE

[72] BOOIJ, WILFRED EDWIN, NO

[71] FORKBEARD TECHNOLOGIES AS, NO

[85] 2022-02-22

[86] 2020-09-30 (PCT/IB2020/059174)

[87] (WO2021/064612)

[30] US (16/587,577) 2019-09-30

[21] 3,149,077

[13] A1

[51] Int.Cl. E21B 47/092 (2012.01) E21B 23/10 (2006.01)

[25] EN

[54] DEVICES, SYSTEMS, AND METHODS FOR SELECTIVELY ENGAGING DOWNHOLE TOOL FOR WELLBORE OPERATIONS

[54] DISPOSITIFS, SYSTEMES, ET PROCEDES POUR FAIRE VENIR EN PRISE DE FACON SELECTIVE UN OUTIL DE FOND DE TROU POUR DES OPERATIONS DE PUITS DE FORAGE

[72] WATKINS, TOM, CA

[72] NAJAFOV, JEYHUN, CA

[72] KADAM, RATISH, CA

[72] KOZLOW, HENRYK, CA

[71] ADVANCED UPSTREAM LIMITED, CA

[85] 2022-02-22

[86] 2021-01-29 (PCT/CA2021/050106)

[87] (WO2021/151211)

[30] US (62/968,074) 2020-01-30

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 - [25] EN
 - [54] ROOF CONDITION ASSESSMENT USING MACHINE LEARNING
 - [54] EVALUATION DE L'ETAT D'UN TOIT PAR APPRENTISSAGE AUTOMATIQUE
 - [72] STRONG, SHADRIAN, US
 - [71] PICTOMETRY INTERNATIONAL CORP., US
 - [85] 2022-02-22
 - [86] 2020-06-04 (PCT/US2020/036138)
 - [87] (WO2021/055028)
 - [30] US (62/903,469) 2019-09-20
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[13] A1

- [51] Int.Cl. A61B 5/259 (2021.01) A61B 5/257 (2021.01) A61M 37/00 (2006.01)
 - [25] EN
 - [54] LAYER STRUCTURE WITH LOCAL RESERVOIR
 - [54] STRUCTURE DE COUCHE AVEC RESERVOIR LOCAL
 - [72] WROBLEWSKI, GRZEGORZ, PL
 - [72] MACIEJEWSKI, ADRIAN, PL
 - [72] KOLTOWSKI, LUKASZ, PL
 - [71] SMARTMEDICS SP. Z O.O., PL
 - [85] 2022-02-22
 - [86] 2020-09-04 (PCT/EP2020/074753)
 - [87] (WO2021/043972)
 - [30] EP (19195872.7) 2019-09-06
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[21] 3,149,087

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- [51] Int.Cl. H01R 13/70 (2006.01) H01R 13/71 (2006.01) H01R 13/713 (2006.01)
 - [25] EN
 - [54] POWER SUPPLY AND METHOD TO DETER MOLD
 - [54] ALIMENTATION ELECTRIQUE ET PROCEDE PERMETTANT D'EMPECHER DES MOISISSURES
 - [72] CLINE, THOMAS, US
 - [71] CLINE, THOMAS, US
 - [85] 2022-02-23
 - [86] 2021-04-13 (PCT/US2021/026942)
 - [87] (WO2021/211481)
 - [30] US (16/849,965) 2020-04-15
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 - [25] EN
 - [54] WASHING UNIT, PLANAR WASHING MACHINE AND METHOD
 - [54] UNITE DE LAVAGE, MACHINE A LAVER PLANE ET PROCEDE
 - [72] NEVALA, JUKKA, FI
 - [72] NEVALA, VELI-PEKKA, FI
 - [71] 24 PESULA OY, FI
 - [85] 2022-02-23
 - [86] 2020-08-24 (PCT/FI2020/050546)
 - [87] (WO2021/038128)
 - [30] FI (20195704) 2019-08-27
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- [51] Int.Cl. F22B 27/16 (2006.01) F22B 1/18 (2006.01) F22B 37/22 (2006.01)
 - [25] EN
 - [54] STEAM GENERATOR FOR FUEL CELL SYSTEM
 - [54] GENERATEUR DE VAPEUR POUR SYSTEME DE PILE A COMBUSTIBLE
 - [72] BALLARD, ANDREW, GB
 - [72] BENNETT, COLIN, GB
 - [72] RYLEY, JOSHUA, GB
 - [72] SCHMIDT, MARTIN, GB
 - [72] POSTLETHWAITE, OLIVER, GB
 - [72] BARNARD, PAUL, GB
 - [72] DOZIO, SIMONE, GB
 - [72] DOMANSKI, TOMASZ, GB
 - [71] CERES INTELLECTUAL PROPERTY COMPANY, GB
 - [85] 2022-02-23
 - [86] 2020-08-26 (PCT/EP2020/073879)
 - [87] (WO2021/037928)
 - [30] GB (1912346.2) 2019-08-28
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- [51] Int.Cl. B01J 23/75 (2006.01) B01J 21/18 (2006.01) B01J 23/889 (2006.01) B01J 35/00 (2006.01) B01J 37/00 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) B01J 37/32 (2006.01) C07C 29/141 (2006.01) C07C 37/00 (2006.01) C07C 67/303 (2006.01) C07C 209/26 (2006.01) C07C 209/48 (2006.01) C07C 209/52 (2006.01) C10G 2/00 (2006.01)
 - [25] EN
 - [54] MATERIALS COMPRISING CARBON-EMBEDDED COBALT NANOPARTICLES, PROCESSES FOR THEIR MANUFACTURE, AND USE AS HETEROGENEOUS CATALYSTS
 - [54] MATERIAUX COMPRENANT DES NANOParticules de COBALT INCORPOREEs AU CARBONE, LEURS PROCESSUS DE FABRICATION ET LEUR UTILISATION EN TANT QUE CATALYSEURS HETEROGENES
 - [72] REINSDORF, ARNE, DE
 - [72] WOLF, DORIT, DE
 - [72] KADYROV, RENAT, DE
 - [72] CHAMSKI, SARAH, DE
 - [71] EVONIK OPERATIONS GMBH, DE
 - [85] 2022-02-23
 - [86] 2020-09-03 (PCT/EP2020/074523)
 - [87] (WO2021/043858)
 - [30] EP (19195500.4) 2019-09-05
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- [51] Int.Cl. H04W 4/029 (2018.01) H04W 4/02 (2018.01) G06Q 50/22 (2018.01) H04W 4/021 (2018.01)
- [25] EN
- [54] COMPUTER NETWORK FOR TRACKING USER USING USER'S MOBILE DEVICE
- [54] RESEAU INFORMATIQUE PERMETTANT DE SUIVRE UN UTILISATEUR A L'AIDE D'UN DISPOSITIF MOBILE DE L'UTILISATEUR
- [72] GRIFFITH, LAWRENCE JR., US
- [72] DELANCY, ADRIAN PATRICK, US
- [72] THIERRY, DAVID MICHAEL, US
- [71] DIGITAL FACTORY TECHNOLOGIES, INC., US
- [85] 2022-02-23
- [86] 2020-08-31 (PCT/US2020/048836)
- [87] (WO2021/042067)
- [30] US (16/555,600) 2019-08-29
- [30] US (62/904,459) 2019-09-23

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[13] A1

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[25] EN
[54] DDX17 AND NLRC4 TARGETING FOR INFLAMMATORY DISEASES
[54] CIBLAGE DE DDX17 ET NLRC4 POUR DES MALADIES INFLAMMATOIRES
[72] AMBATI, JAYAKRISHNA, US
[72] WANG, SHAO-BIN, US
[72] AMBATI, KAMESHWARI, US
[71] UNIVERSITY OF VIRGINIA PATENT FOUNDATION, US
[85] 2022-02-23
[86] 2020-08-24 (PCT/US2020/047640)
[87] (WO2021/041317)
[30] US (62/891,124) 2019-08-23

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[51] Int.Cl. A61K 39/395 (2006.01) C07K 16/30 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01)
[25] EN
[54] CROSS-SPECIES ANTI-LATENT TGF-BETA 1 ANTIBODIES AND METHODS OF USE
[54] ANTICORPS ANTI-TGF-BETA 1 LATENT INTER-ESPECES ET LEURS PROCEDES D'UTILISATION
[72] SHIMADA, HIDEAKI, SG
[72] KANAMORI, MASAKAZU, SG
[72] KOO, XING'ER CHRISTINE, SG
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2022-02-23
[86] 2020-08-28 (PCT/JP2020/032522)
[87] (WO2021/039945)
[30] JP (2019-155278) 2019-08-28

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[51] Int.Cl. G01N 33/02 (2006.01) G06Q 10/08 (2012.01) G06Q 10/00 (2012.01) H04Q 9/00 (2006.01)
[25] EN
[54] SYSTEMS AND METHODS FOR TRACKING PRODUCT ENVIRONMENT THROUGHOUT A SUPPLY CHAIN
[54] SYSTEMES ET PROCEDES DE SUIVI D'ENVIRONNEMENT DE PRODUIT A TRAVERS UNE CHAINE D'APPROVISIONNEMENT
[72] WHITMAN, NICHOLAS L., US
[72] BEGIN, RYAN R., US
[71] DIVERT, INC., US
[85] 2022-02-23
[86] 2020-09-18 (PCT/US2020/051585)
[87] (WO2021/055812)
[30] US (62/902,175) 2019-09-18

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[25] EN
[54] MATERIALS COMPRISING CARBON-EMBEDDED IRON NANOPARTICLES, PROCESSES FOR THEIR MANUFACTURE, AND USE AS HETEROGENEOUS CATALYSTS
[54] MATERIAUX COMPRENANT DES NANOParticules de fer INCORPOREES AU CARBONE, LEURS PROCESSUS DE FABRICATION, ET LEUR UTILISATION EN TANT QUE CATALYSEURS HETEROGENES

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[72] WOLF, DORIT, DE
[72] KADYROV, RENAT, DE
[72] CHAMSKI, SARAH, DE
[71] EVONIK OPERATIONS GMBH, DE
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[54] MULTI-FUNCTION ACQUISITION DEVICE AND OPERATING METHOD
[54] DISPOSITIF D'ACQUISITION MULTIFONCTIONS ET PROCEDE DE FONCTIONNEMENT
[72] GREGOIRE, CHRISTIAN, FR
[72] EXCOFFIER, FREDDY, FR
[72] RIBALET, PHILIPPE, FR
[72] THEBAUD, JACQUES, FR
[71] SERCEL, FR
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[54] TECHNIQUES FOR SPATIAL DATA PROJECTION
[54] TECHNIQUES DE PROJECTION SPATIALE DE DONNEES
[72] JEROMIN, AARON CHANDLER, US
[71] UNIVERSAL CITY STUDIOS LLC, US
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[30] US (62/899,562) 2019-09-12
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[54] COMPOSITIONS AND METHODS FOR THE TREATMENT OF CONGENITAL ICHTHYOSES
[54] COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT D'ICHTYOSES CONGENITALES
[72] KRISHNAN, SUMA, US
[72] AGARWAL, POOJA, US
[71] CIPO, CA
[71] KRYSTAL BIOTECH, INC., US
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 - [54] ECRAN CONTRE LES NEUTRONS EN CUVE INTEGREE
 - [72] EADES, MICHAEL JOHN, US
 - [72] VENNERI, PAOLO FRANCESCO, US
 - [71] ULTRA SAFE NUCLEAR CORPORATION, US
 - [85] 2022-02-23
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 - [54] OUTIL EN CONTACT AVEC LE SOL ET SYSTEME DE SURVEILLANCE ET PROCEDES DESTINES A UN EQUIPEMENT DE TERRASSEMENT
 - [72] CARPENTER, CHRISTOPHER M., US
 - [72] CLARKE, RODNEY K., AU
 - [72] MORRIS, XUDAN X., US
 - [71] ESCO GROUP LLC, US
 - [85] 2022-02-23
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 - [87] (WO2021/041988)
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- [54]
- [72] HASHIBA, IWAO, JP
- [71] KAJUAL OFFICE INC., JP
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- [86] 2020-08-25 (PCT/JP2020/031962)
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 - [25] EN
 - [54] ULTRA-WHITE SILICA-BASED FILLER
 - [54] CHARGE A BASE DE SILICE ULTRA-BLANCHE
 - [72] BEDFORD, GREGORY KENNETH, US
 - [72] WESTBROOK III, CLAUD ERIC, US
 - [71] COVIA HOLDINGS CORPORAYION, US
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 - [86] 2020-08-28 (PCT/US2020/048376)
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- [25] EN
- [54] SYSTEM INCLUDING GRIP ASSEMBLY AND HIP SENSING ASSEMBLY FOR ROLLATOR CONFIGURED TO PROVIDE FEEDBACK TO USER
- [54] SYSTEME COMPRENANT UN ENSEMBLE DE PREHENSION ET UN ENSEMBLE DE DETECTION DE HANCHE POUR UN AMBULATEUR CONCU POUR FOURNIR UN RETOUR D'INFORMATIONS A UN UTILISATEUR
- [72] VISOS-ELY, TIMOTHY, US
- [72] PLUM, ANDREW JEFFREY, US
- [72] WATROUS, MAXELL D., US
- [72] ACHARYA, HUMSINI KADIRESAN, US
- [72] SAUNDERS, THOMAS, US
- [71] STRIDETECH MEDICAL INC., US
- [85] 2022-02-23
- [86] 2020-08-21 (PCT/US2020/047506)
- [87] (WO2021/041255)
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- [54] LIGHT FIELD DISPLAY SYSTEM FOR GAMING ENVIRONMENTS
- [54] SYSTEME D'AFFICHAGE A CHAMP LUMINEUX POUR EVENEMENTS DE PERFORMANCE
- [72] KARAFIN, JONATHAN SEAN, US
- [72] BEVENSEE, BRENDAN ELWOOD, US
- [71] LIGHT FIELD LAB, INC., US
- [85] 2022-02-23
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[54] PROCESS FOR THE SYNTHESIS OF THE SODIUM SALT OF 4-[(1R)-2-[5-(2-FLUORO-3-METHOXYPHENYL)-3-[(2-FLUORO-6-(TRIFLUOROMETHYL)-PHENYL]METHYL]-3,6-DIHYDRO-4-METHYL-2,6-DIOXO-1(2H)-PYRIMIDINYL]-1-PHENYLETHYL]AMINO]-BUTANOIC ACID (ELAGOLIX SODIUM SALT) AND INTERMEDIATES OF SAID PROCES	
[54] PROCEDE DE SYNTHESE DU SEL SODIQUE D'ACIDE 4-[(1R)-2-[5-(2-FLUORO-3-METHOXYPHENYL)-3-[(2-FLUORO-6-(TRIFLUOROMETHYL)-PHENYL]METHYL]-3,6-DIHYDRO-4-METHYL-2,6-DIOXO-1(2H)-PYRIMIDINYL]-1-PHENYLETHYL]AMINO]-BUTANOIQUE (SEL SODIQUE D'ELAGOLIX) ET DES INTERMEDIAIRES DUDIT PROCES	
[72] LENNA, ROBERTO, IT	
[72] FASANA, ANDREA, IT	
[72] ORTIZ, JERRY, IT	
[71] INDUSTRIALE CHIMICA S.R.L., IT	
[85] 2022-02-23	
[86] 2020-07-27 (PCT/IB2020/057065)	
[87] (WO2021/044230)	
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[30] IT (102020000001390) 2020-01-24	
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[25] EN	
[54] POLYMERIC WRAPPER	
[54] ENVELOPPE POLYMERIQUE	
[72] GAGNE, JOSEPH D., US	
[71] SONOCO PRODUCTS CO., US	
[85] 2022-02-23	
[86] 2020-08-18 (PCT/US2020/046766)	
[87] (WO2021/041083)	
[30] US (62/890,798) 2019-08-23	

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[25] FR	
[54] METHOD FOR RECOVERING CHROMIUM CONTAINED IN A BATH FOR PICKLING METALLIC MATERIALS AND FACILITY FOR IMPLEMENTING SAME	
[54] PROCEDE DE RECUPERATION DU CHROME CONTENU DANS UN BAIN DE DECAPAGE DE MATERIAUX METALLIQUES ET INSTALLATION POUR SA MISE EN OEUVRE	
[72] GUILLOTTE, ISMAEL, FR	
[72] SINOIMERI, ERIS, FR	
[72] BILLARD, ISABELLE, FR	
[72] COGNARD, JEROME, FR	
[72] COMMENGES-BERNOLE, NADINE, FR	
[72] DAMASSE, JEAN-MICHEL, FR	
[71] APERAM, LU	
[85] 2022-02-23	
[86] 2019-09-06 (PCT/IB2019/057527)	
[87] (WO2021/044200)	

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[54] COMPOSITION FOR AMELIORATING PREMENSTRUAL SYNDROME SYMPTOMS, INCLUDING CHRYSANTHEMUM ZAWADSKII EXTRACT	
[54] COMPOSITION D'AMELIORATION DE SYMPTOMES DU SYNDROME PREMENSTRUUEL, COMPRENANT UN EXTRAIT DE CHRYSANTHEME SIBIRICUM	
[72] JEONG, YONG JOON, KR	
[72] KANG, SE CHAN, KR	
[72] KWON, JEONG EUN, KR	
[72] LEE, DA EUN, KR	
[71] GENENCELL INC., KR	
[85] 2022-02-23	
[86] 2019-09-03 (PCT/KR2019/011306)	
[87] (WO2021/045242)	
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[51] Int.Cl. C12N 1/21 (2006.01) C12P 17/18 (2006.01)	
[25] EN	
[54] FOLATE PRODUCING STRAIN AND THE PREPARATION AND APPLICATION THEREOF	
[54] SOUCHE PRODUCTRICE DE FOLATE, SA PREPARATION ET SON APPLICATION	
[72] SHI, MING'AN, CN	
[72] SUN, JIA, CN	
[72] SUN, XIANGYU, CN	
[72] SHAO, FEI, CN	
[72] CAI, ZHIGANG, CN	
[72] ZHANG, GUOYIN, CN	
[72] BLAZIC, MARKO, SI	
[72] KOGEJ, TINA, SI	
[72] KOSEC, GREGOR, SI	
[72] FUJS, STEFAN, SI	
[72] CUSA, ALEN, SI	
[72] HORVAT, JAKA, SI	
[71] CHIFENG PHARMACEUTICAL CO., LTD., CN	
[85] 2022-02-23	
[86] 2020-05-13 (PCT/CN2020/090084)	
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 - [25] FR
 - [54] METHOD FOR ASSISTING IN THE DETECTION OF ELEMENTS, ASSOCIATED DEVICE AND PLATFORM
 - [54] PROCEDE D'AIDE A LA DETECTION D'ELEMENTS, DISPOSITIF ET PLATEFORME ASSOCIES
 - [72] LE MEUR, ALAIN, FR
 - [72] BECHE, ARNAUD, FR
 - [72] HENAFF, GILLES, FR
 - [72] SEGUINEAU DE PREVAL, BENOIT, FR
 - [71] THALES, FR
 - [85] 2022-02-23
 - [86] 2020-08-27 (PCT/EP2020/073945)
 - [87] (WO2021/037963)
 - [30] FR (FR1909431) 2019-08-27
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- [25] EN
- [54] METHOD AND APPARATUS USING MACHINE LEARNING FOR EVOLUTIONARY DATA-DRIVEN DESIGN OF PROTEINS AND OTHER SEQUENCE DEFINED BIOMOLECULES
- [54] PROCEDE ET APPAREIL FAISANT APPEL A UN APPRENTISSAGE MACHINE POUR LA CONCEPTION EVOLUTIVE GUIDEES PAR DONNEES DE PROTEINES ET D'AUTRES BIOMOLECULES DEFINIES PAR UNE SEQUENCE
- [72] RANGANATHAN, RAMA, US
- [72] FERGUSON, ANDREW, US
- [71] UNIVERSITY OF CHICAGO, US
- [85] 2022-02-23
- [86] 2020-09-11 (PCT/US2020/050466)
- [87] (WO2021/050923)
- [30] US (62/900,420) 2019-09-13
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 - [54] ONDULEURS DE SOURCE DE COURANT A COMMUTATION DOUCE
 - [72] MAUGER, MICKAEL J., US
 - [72] KANDULA, RAJENDRA PRASAD, US
 - [72] DIVAN, DEEPAK M., US
 - [71] GEORGIA TECH RESEARCH CORPORATION, US
 - [85] 2022-02-23
 - [86] 2020-08-26 (PCT/US2020/047882)
 - [87] (WO2021/041465)
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- [25] EN
- [54] ACTIVITY BASED PROBES
- [54] SONDES BASEES SUR L'ACTIVITE
- [72] VIRDEE, SATPAL, GB
- [72] MATHUR, SUNIL, GB
- [72] FLETCHER, ADAM, GB
- [71] UNIVERSITY OF DUNDEE, GB
- [85] 2022-02-23
- [86] 2020-08-28 (PCT/EP2020/074069)
- [87] (WO2021/038034)
- [30] GB (1912339.7) 2019-08-28
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 - [25] EN
 - [54] METHOD AND APPARATUS FOR PRODUCING WELL WITH BACKUP GAS LIFT AND AN ELECTRICAL SUBMERSIBLE WELL PUMP
 - [54] PROCEDE ET APPAREIL POUR PRODUIRE UN PUITS AVEC UN ELEVATEUR DE GAZ DE SECOURS ET UNE POMPE DE PUITS SUBMERSIBLE ELECTRIQUE
 - [72] CONRAD, CALEB MARCHANT, US
 - [71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
 - [85] 2022-02-23
 - [86] 2020-08-21 (PCT/US2020/047318)
 - [87] (WO2021/041178)
 - [30] US (62/890,867) 2019-08-23
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- [25] EN
- [54] SMART LUMINAIRE GROUP CONTROL USING INTRAGROUP COMMUNICATION
- [54] COMMANDE DE GROUPE DE LUMINAIRES INTELLIGENTS A L'AIDE D'UNE COMMUNICATION INTRAGROUPE
- [72] GURJAR, RAVINDRA VIRAJ, IN
- [72] GRAFF, TIMOTHY E., US
- [72] PAN, YICHENG PETER, US
- [71] APPLETON GRP LLC, US
- [85] 2022-02-23
- [86] 2020-08-21 (PCT/US2020/047405)
- [87] (WO2021/050244)
- [30] IN (201921036250) 2019-09-09
- [30] US (16/786,219) 2020-02-10
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- [25] EN
- [54] MEMBRANE PERMEATE RECYCLE PROCESS FOR USE WITH PRESSURE SWING ADSORPTION PROCESSES
- [54] PROCESSUS DE RECYCLAGE DE PERMEAT DE MEMBRANE DESTINE A ETRE UTILISE AVEC DES PROCESSUS D'ADSORPTION A PRESSION MODULEE
- [72] RUSSELL, BRADLEY P., US
- [72] PANDEY, GAUTAM, US
- [72] WEGERER, DAVID A., US
- [72] ELSEVIERS, WIM, US
- [71] UOP LLC, US
- [85] 2022-02-23
- [86] 2020-08-27 (PCT/US2020/048089)
- [87] (WO2021/045952)
- [30] US (16/560,378) 2019-09-04

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- [25] EN
- [54] REMOTE MONITORING OF WATER DISTRIBUTION SYSTEM
- [54] TELESURVEILLANCE D'UN SYSTEME DE DISTRIBUTION D'EAU
- [72] MORROW, BRIAN, US
- [72] VORE, MIKE, US
- [72] KITOWSKI, CHARLES, US
- [72] COPELAND, DANIEL, US
- [72] MCCULLOGH, LEON G., US
- [72] BOHRER, JOHN THOMAS, US
- [71] AMI INVESTMENTS, LLC, US
- [85] 2022-02-23
- [86] 2020-09-04 (PCT/US2020/049388)
- [87] (WO2021/046340)
- [30] US (62/895,670) 2019-09-04

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- [25] EN
- [54] CONNECTED CONTROLS INFRASTRUCTURE
- [54] INFRASTRUCTURE DE COMMANDE CONNECTEE
- [72] GRAFF, TIMOTHY E., US
- [72] GURJAR, RAVINDRA VIRAJ, IN
- [72] PAN, YICHENG PETER, US
- [71] APPLETON GRP LLC, US
- [85] 2022-02-23
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- [87] (WO2021/050247)
- [30] IN (201921036251) 2019-09-09
- [30] IN (201921041224) 2019-10-11
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- [54] SYSTEMS AND METHODS FOR SUPPLEMENTING DATA WITH GENERATIVE MODELS
- [54] SYSTEMES ET PROCEDES POUR ENRICHIR DES DONNEES AVEC DES MODELES GENERATIFS
- [72] FISHER, CHARLES KENNETH, US
- [72] SMITH, AARON MICHAEL, US
- [72] WALSH, JONATHAN RYAN, US
- [71] UNLEARN.AI, INC., US
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- [87] (WO2021/041128)
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- [25] EN
- [54] CARTRIDGE PIN ASSEMBLY COMPRISING A SLEEVE BEARING HAVING A FLARED END AND TRACK CHAIN ASSEMBLY COMPRISING CARTRIDGE PIN ASSEMBLY
- [54] ENSEMBLE CHEVILLE DE CARTOUCHE COMPRENANT UN PALIER LISSE AYANT UNE EXTREMITE EVASEE ET ENSEMBLE CHAINE DE CHENILLE COMPRENANT UN ENSEMBLE CHEVILLE DE CARTOUCHE
- [72] JONES, BENJAMIN I., US
- [72] WANG, JIANJUN, US
- [71] CATERPILLAR INC., US
- [85] 2022-02-23
- [86] 2020-08-12 (PCT/US2020/045896)
- [87] (WO2021/050192)
- [30] US (16/564,305) 2019-09-09

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- [25] EN
- [54] IMPROVED POLYPEPTIDES CAPABLE OF CONVERTING SUBSTRATE 3-KETO-DEOXYNIVALENOL INTO 3-EPI-DEOXYNIVALENOL
- [54] POLYPEPTIDES AMELIORES CAPABLES DE CONVERTIR DU 3-CETO-DEOXYNIVALENOL DE SUBSTRAT EN 3-EPI-DEOXYNIVALENOL
- [72] NEUMAYER, BERNHARD, AT
- [72] STREIT, ELISABETH, AT
- [72] WEBER, BARBARA, AT
- [72] VOGTENTANZ, GUDRUN, AT
- [71] ERBER AKTIENGESELLSCHAFT, AT
- [85] 2022-02-23
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- [87] (WO2021/038026)
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 - [25] EN
 - [54] THIOSUCCINYL-CROSSLINKED HEMOGLOBIN ANALOGS AND METHODS OF USE AND PREPARATION THEREOF ANALOGUES D'HEMOGLOBINE A RETICULATION THIOSUCCINYLE ET PROCEDES D'UTILISATION ET DE PREPARATION ASSOCIES
 - [72] BUTT, KWOK CHU, CN
 - [72] WAI, NORMAN FUNG-MAN, CN
 - [72] CHONG, HIU CHI, CN
 - [72] WU, WING FUNG, CN
 - [72] YEH, COLIN PAK FAI, CN
 - [72] WAI, BENJAMIN CHI YIN, CN
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- [54] DISPOSITIF D'IMMOBILISATION DE CELLULES RARES POUR LA CYTOLOGIE
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- [72] PO, JOSEPH WILLIAM, AU
- [71] RARE CELL TECHNOLOGIES PTY LTD, AU
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 - [72] KRAWCZYK, ROMAN, US
 - [71] KRAWCZYK, ROMAN, US
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- [72] CAMPITELLI, GENNARO, CH
- [72] MOHSENI, FARHANG, CH
- [71] PHILIP MORRIS PRODUCTS S.A., CH
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 - [72] PREINER, DAVID F., US
 - [72] SOLOMON, W. CASEY, US
 - [72] NI, SISI, US
 - [72] HARROLD JR., JOHN W., US
 - [71] EXPONENTIAL GENOMICS CANADA INC., CA
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- [72] SEVEN, KARL M., US
- [72] ESSEGHIR, MOHAMED, US
- [72] COGEN, JEFFREY M., US
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
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 - [54] **ELECTRODE ET SON PROCEDE DE FABRICATION ET UTILISATION ASSOCIEE**
 - [72] CHEN, HONGYUAN, CN
 - [72] ZHAO, QITE, CN
 - [72] XUE, JUNWEI, CN
 - [71] MAGNETO SPECIAL ANODES (SUZHOU) CO., LTD., CN
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- [54] **APPAREILS DE LAVAGE ET DE SECHAGE COMBINES COMPRENANT DES CONDENSEURS D'EAU REFROIDIE**
- [72] KALNITZ, HOWARD JAY, US
- [72] AMADOR ZAMARRENO, CARLOS, GB
- [72] LEUNG, BENNY, US
- [72] STAMPER, JASON ALLEN, US
- [71] THE PROCTER & GAMBLE COMPANY, US
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- [54] **SYSTEME CHIRURGICAL ASSISTE PAR ROBOT A COMMANDE DIRECTE HYBRIDE**
- [72] GORDON, PETER ALEXANDER, CA
- [72] FRANCIS, PETER, CA
- [72] SAAB, RAMI, CA
- [71] REVOLVE SURGICAL INC., CA
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- [54] **SISTÈME DE DISTRIBUTION DE FLUIDE**
- [72] ANAND, PJ, US
- [72] SINGH, DEEP ARJUN, US
- [72] EAST, ANDREW, US
- [72] WASHBURN, THOMAS T., US
- [72] HOLMES, MEGAN, US
- [71] ALCYONE THERAPEUTICS, INC., US
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- [54] **TRAITEMENT DE MALADIES PROVOQUÉES PAR DES MUTATIONS DE TYPE FRAMESHIFT**
- [72] KUPATT, CHRISTIAN, DE
- [72] WURST, WOLFGANG, DE
- [72] TRUONG, DONG-JIUNN JEFFERY, DE
- [71] HELMHOLTZ ZENTRUM MUNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT (GMBH), DE
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[54] PROCEDE DE SEPARATION DE 5'-INOSINATE DISODIQUE
[72] CHOI, JUNG HWA, KR
[72] KIM, MIN JONG, KR
[72] OH, CHANG YUB, KR
[72] LIM, HWA YEON, KR
[72] KIM, JUN WOO, KR
[72] YU, JAE HUN, KR
[72] KANG, SEOK HYUN, KR
[72] KIM, YU SHIN, KR
[72] KIM, IL CHUL, KR
[71] CJ CHEIL JEDANG CORPORATION, KR
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[72] TSEGAY, SAMMI, AU
[72] SHENGULE, SUDHIR, AU
[72] REITANO, PAULINE, AU
[72] PORTER, CHRISTOPHER, AU
[72] JOHNSTON, ANGUS, AU
[72] YUEN, DANIEL, AU
[71] STARPHARMA PTY LTD, AU
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[54] COMPOSITIONS D'ENTRETIEN DE TISSU COMPRENANT UN COPOLYMER ET PROCEDES ASSOCIES
[72] FOSSUM, RENAE DIANNA, US
[72] LANT, NEIL JOSEPH, GB
[72] COST, SAMANTHA JO, US
[72] GONZALEZ, LIDIANY, US
[72] THORNTON, PAUL DAVID, GB
[72] BOARDMAN, SASKIA JANE, GB
[72] HAYWARD, ADAM SIMON, GB
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] METHOD FOR ASSISTING IN THE DETECTION OF ELEMENTS, AND ASSOCIATED DEVICE AND PLATFORM
[54] PROCEDE D'AIDE A LA DETECTION D'ELEMENTS, DISPOSITIF ET PLATEFORME ASSOCIES
[72] LE MEUR, ALAIN, FR
[72] BECHE, ARNAUD, FR
[72] HENAFF, GILLES, FR
[72] SEGUINEAU DE PREVAL, BENOIT, FR
[71] THALES, FR
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[54] SOUFFLET FERME INVERSE AVEC SUPPORT DE BAGUE DE GUIDAGE LUBRIFIÉ
[72] HOLLOHAN, CODY, US
[72] TANNER, DAVID, US
[72] COATES, BRYAN, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
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[54] APPAREIL, APPAREIL DE FORAGE DE ROCHES ET PROCEDE DE NAVIGATION D'EXPLORATION
[72] MUONA, JOUKO, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
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[54] COMPOSITION OPHTALMIQUE EN NANOEMULSION COMPRENANT DE LA CYCLOSPORINE ET DU MENTHOL, ET SON PROCEDE DE PREPARATION
[72] LEE, JOON YOUB, KR
[72] SHIN, YOUN JAE, KR
[72] SEO, HYUN WON, KR
[72] KIM, DAE HUN, KR
[71] TAEJOON PHARMACEUTICAL CO., LTD., KR
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[54] CHAUFFE-EAU SANS RESERVOIR AYANT UN MODULE DE REGULATION DE TARTRE INTEGRE
[72] OGAN, JEFFREY T., US
[72] JANZ, JASON F., US
[72] ARRINGTON, CRAWFORD G., US
[71] A. O. SMITH CORPORATION, US
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[72] CHEN, MINGNAN, US
[72] WANG, PENG, US
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[72] DONG, SHUYUN, US
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
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[72] XU, JIANPING, CN
[72] LI, JIANG, CN
[71] SYNGENTA CROP PROTECTION AG, CH
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[25] EN
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[54] BOULON SERTI A DEUX PIECES ET OUTIL D'INSTALLATION
[72] COBZARU, CRISTINEL, US
[72] HOFFARTH, BRIAN, US
[72] COUILLANDEAU, CLAUDE, FR
[71] SPS TECHNOLOGIES, LLC, US
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- [54] **SUPPORT DE BARRE DE TORSION AVEC DOUILLE**
- [72] ABLABUTYAN, KARAPET, US
- [71] MAXON INDUSTRIES, INC., US
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- [86] 2020-10-22 (PCT/US2020/056902)
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- [72] LESKOWITZ, GARETT M., CA
- [71] NANALYSIS CORP., CA
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- [54] **REDUCTION DE L'HYSERESIS MAGNETIQUE D'UN ENSEMBLE CAPTEUR DE POSITION**
- [72] GISSLER, ROBERT WILLIAM, US
- [71] HALLIBURTON ENERGY SERVICES, INC., US
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- [54] **MEMBRANE DE PELLICULE POUR APPAREIL LITHOGRAPHIQUE**
- [72] NIKIPELOV, ANDREY, NL
- [72] BALTSSEN, SANDER, NL
- [72] BANINE, VADIM YEVGENYEVICH, NL
- [72] DOLGOV, ALEXANDR, NL
- [72] DONMEZ NOYAN, INCI, NL
- [72] HOUWELING, ZOMER SILVESTER, NL
- [72] NOTENBOOM, ARNOUD WILLEM, NL
- [72] VAN DE KERKHOF, MARCUS ADRIANUS, NL
- [72] VAN DER WOORD, TIES WOUTER, NL
- [72] VERMEULEN, PAUL ALEXANDER, NL
- [72] VLES, DAVID FERDINAND, NL
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- [72] YEGEN, HALIL GOKAY, NL
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- [71] PESTRONIKS INNOVATIONS PTE LTD, SG
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- [54] **SYSTEME DE GESTION DE RESEAU DE BATTERIE DE VEHICULE ELECTRIQUE, PROCEDE ET VEHICULE**
- [72] DOOLEY, BEVAN, AU
- [72] FORSYTH, ALEXANDER, AU
- [71] JANUS ELECTRIC PTY LTD, AU
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- [54] **APPAT OU REPULSIF D'ARTHROPODES, PIEGE D'ARTHROPODES, ET DISPOSITIF D'ECLAIRAGE**
- [72] SEETHARAM, SHANKAR, SG
- [72] BAPTISTA, CARL, SG
- [71] PESTRONIKS INNOVATIONS PTE LTD, SG
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- [87] (WO2021/040613)
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 - [54] ANCRES POUR REPARATION DE CORDAGE DE VALVE MITRALE
 - [72] COMBE, JONATHAN D., US
 - [72] GEARY, JR. THOMAS R., US
 - [72] GOLDEN, JAKE M., US
 - [72] NORRIS, PATRICK M., US
 - [72] PICO, ANETTE I., US
 - [72] RUDES, SUSAN J., US
 - [72] SECTOR, MARTIN J., US
 - [72] ZUKAITIS, MATTHEW J., US
 - [71] W. L. GORE & ASSOCIATES, INC., US
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- [72] PATEL, SAMIR MAGANBHAI, US
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 - [54] IMPLANTS DE RECONSTRUCTION DE TISSUS MOUS ET LEUR PROCEDE DE FORMATION
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 - [72] TIRUNAGARI, PRASHANTHI, US
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 - [54] SYSTEME POUR GLUCOMETRE COUPLE A UN DISPOSITIF ELECTRONIQUE MOBILE
 - [72] CARPENTER, SCOTT E., US
 - [71] F. HOFFMANN-LA ROCHE AG, CH
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- [72] DU, HAI, CN
- [72] LIANG, ANNING, CN
- [72] GUO, XINLING, CN
- [72] WANG, ZHIYONG, CN
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 - [54] SOUPAPE DE SECURITE SOUTERRAINE ET PROCEDE DE FONCTIONNEMENT D'UNE SOUPAPE DE SECURITE SOUTERRAINE
 - [72] ACKROYD, WARREN, GB
 - [71] EXPRO NORTH SEA LIMITED, GB
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- [72] RICHARD, ISABELLE, FR
- [71] GENETHON, FR
- [71] UNIVERSITE D'EVRY VAL D'ESSONNE, FR
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[54] COMPOSITION DE MEDICAMENT CONTENANT DE L'ACETATE D'ABIRATERONE, SON PROCEDE DE PREPARATION ET SON APPLICATION
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[71] CIPO, CA
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[72] LAWHON, DUSTIN, US
[72] PRICE, DAVID M., US
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[54] TRAITEMENT ET PREVENTION DU CANCER A L'AIDE DE MOLECULES DE LIAISON A L'ANTIGENE HER3
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[72] GUAN, SIYU, SG
[72] INGRAM, PIERS, SG
[72] PASZKIEWICZ, KONRAD, SG
[72] SANCENON, VICENTE, SG
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[54] APPAREIL ET PROCEDE POUR UNE VENTILATION ASSISTEE AMELIOREE
[72] NOLAN, CLAY, US
[71] COLABS MEDICAL, INC., US
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[72] VENNERI, PAOLO FRANCESCO, US
[72] EADES, MICHAEL JOHN, US
[72] UYS, DIRK, ZA
[71] ULTRA SAFE NUCLEAR CORPORATION, US
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[71] MYOTA GMBH, DE
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 - [72] GRAY, CHRISTOPHER, US
 - [72] RANGARAJAN, SUUDHAN, US
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 - [72] MOLLINIER TOUBLET, BERTRAND, US
 - [72] GHATE, NIRANJAN, US
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 - [54] DISPOSITIF DE PROJECTION OPTIQUE LINEAIRE ET SON PROCEDE D'UTILISATION
 - [72] FEDOROV, DIMITRY, CA
 - [71] PHOTONIC ENDEAVOURS INC., CA
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 - [72] SIPPOLA, VAINO, FI
 - [72] SUPPULA, JANNE, FI
 - [72] VILJA, JESSE, FI
 - [71] NESTE OYJ, FI
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- [72] HICKL, MATTHEW J., US
- [72] CHISM, RICHARD, US
- [71] MCCOY GLOBAL INC., CA
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 - [54] FERME-PORTE A FONCTION DE FERMETURE ASSISTEE PAR UNE FORCE
 - [72] LAWHON, DUSTIN, US
 - [71] ASSA ABLOY ACCESSORIES AND DOOR CONTROLS GROUP, INC., US
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- [54] MACHINE DE SCELLEMENT CONTINU DE DEUX FILMS PLASTIQUES
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- [72] MANOTAS CHAR, DAVID EMANUEL, CO
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 [54] TRAITEMENT DE MALADIE OU DE TROUBLE HEPATIQUE COMPRENANT DES ANTAGONISTES DE RECEPTEUR ACTRII
 [72] COLEMAN, LAURA, US
 [72] MEYERS, C. DANIEL, US
 [72] ROUBENOFF, RONENN, CH
 [72] TRIFILIEFF, ESTELLE, CH
 [71] NOVARTIS AG, CH
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 [54] COOKING DEVICE AND COMPONENTS THEREOF
 [54] DISPOSITIF DE CUISSON ET SES COMPOSANTS
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 [72] GUERIN, THOMAS, US
 [72] JACKSON, ROGER NEIL, GB
 [72] ANTHONY, JOSHUA D., US
 [72] SCHWARZ, KERRY, US
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 [54] APPLICATEUR DE CAPTEUR D'ANALYTE
 [72] BREMER, TROY M., US
 [72] HEATON, GUY, US
 [72] BECKER, NEIL, US
 [71] METRONOM HEALTH, INC., US
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 [54] GUIDES D'IMPLANT, DISPOSITIFS, SYSTEMES ET PROCEDES D'UTILISATION
 [72] MAJORS, BENJAMIN, US
 [72] WILLIAMS, THOMAS R., US
 [72] MLADINICH, PETER ANDREW, US
 [72] LIPKER, GARRETT JEFFREY, US
 [72] ROGGOW, KENNETH ALLAN, US
 [71] PARAGON 28, INC., US
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 [54] PROCEDES, SYSTEMES ET DISPOSITIFS POUR LE DIAGNOSTIC DE TROUBLES DU COMPORTEMENT, DE RETARDS DE DEVELOPPEMENT ET DE TROUBLES NEUROLOGIQUES
 [72] ABBAS, ABDELHALIM, US
 [72] GARBERSON, JEFFREY FORD, US
 [72] BISCHOFF, NATHANIEL E., US
 [72] BEALL, ERIK, US
 [71] COGNOA, INC., US
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 [54] PHOTOMULTIPLICATEUR AU SELENIUM AMORPHE A GAIN ELEVE
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 [72] ZHAO, WEI, US
 [72] SAHU, AYASKANTA, US
 [71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
 [71] NEW YORK UNIVERSITY, US
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 [86] 2020-09-11 (PCT/US2020/050311)
 [87] (WO2021/050814)
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- [25] EN
- [54] VERY-LONG-CHAIN POLYUNSATURATED FATTY ACIDS, ELOVANOID HYDROXYLATED DERIVATIVES, AND METHODS OF USE
- [54] ACIDES GRAS POLYINSATURÉS A TRES LONGUE CHAINE, DERIVES HYDROXYLES D'ELOVANOIDE ET LEURS PROCEDES D'UTILISATION
- [72] PELAEZ, RICARDO PALACIOS, ES
- [72] BAZAN, NICOLAS G., US
- [71] BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, US
- [71] PELAEZ, RICARDO PALACIOS, ES
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- [86] 2020-09-04 (PCT/US2020/049541)
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- [25] EN
- [54] RECEPTOR TYROSINE KINASE INHIBITORS FOR TREATMENT OF PROTEIN KINASE MODULATION-RESPONSIVE DISEASE OR DISORDER
- [54] INHIBITEURS DU RECEPTEUR DE LA TYROSINE KINASE POUR LE TRAITEMENT DE MALADIE OU DE TROUBLE SENSIBLE A LA MODULATION DE LA PROTEINE KINASE
- [72] TOSATO, GIOVANNA, US
- [72] DIPRIMA, MICHAEL J., US
- [72] SCHWALBE, HARALD, DE
- [72] TROSTER, ALIX, DE
- [72] KUDLINZKI, DENIS, DE
- [72] JORES, NATHALIE, DE
- [71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
- [71] JOHANN WOLFGANG GOETHE-UNIVERSITAT, DE
- [71] DEUTSCHES KREBSFORSCHUNGZENTRUM, DE
- [85] 2022-03-01
- [86] 2020-09-11 (PCT/US2020/050439)
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- [25] EN
- [54] CONCRETE SENSOR DEVICE AND SYSTEM
- [54] DISPOSITIF ET SYSTEME DE CAPTEUR DE BETON
- [72] CATHCART, ANDREW, AU
- [72] MAHER, ADRIAN, AU
- [72] CHISHOLM, ANTHONY, AU
- [71] CONCRETE DATA SENSORS PTY LTD, AU
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- [25] EN
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- [54] COMPOSITIONS ET PROCEDES DE MODIFICATION DE GENOMES
- [72] BEGEMANN, MATTHEW, US
- [72] NEUMANN, GINA CHRISTINE, US
- [71] BENSON HILL, INC., US
- [85] 2022-03-03
- [86] 2020-09-08 (PCT/US2020/049697)
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- [30] US (62/896,243) 2019-09-05

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- [25] EN
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- [54] SOUTENEMENT DE FRACTURES HYDRAULIQUES OUVERTES
- [72] KALGAONKAR, RAJENDRA ARUNKUMAR, SA
- [72] BAQADER, NOOR O, SA
- [72] GOMAA, AHMED M., SA
- [72] ALNOAIMI, KHALID R., SA
- [71] SAUDI ARABIAN OIL COMPANY, SA
- [85] 2022-03-03
- [86] 2020-09-04 (PCT/US2020/049323)
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- [54] A METHOD OF PURIFYING HELIUM FROM MIXED GAS
- [54] PROCEDE DE PURIFICATION D'HELIUM A PARTIR DE GAZ MIXTE
- [72] MOLTER, TRENT M., US
- [72] ROY, ROBERT, US
- [71] SKYRE, INC., US
- [85] 2022-03-03
- [86] 2020-09-08 (PCT/US2020/049644)
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- [54] RECEPTEURS ANTIGENIQUES CHIMERIQUES ET COMPOSITIONS ET METHODES ASSOCIEES POUR LE TRAITEMENT DU CANCER
- [72] PUIG-SAUS, CRISTINA, US
- [72] RIBAS, ANTONI, US
- [72] CHEN, YVONNE, US
- [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
- [85] 2022-03-03
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- [30] US (62/897,062) 2019-09-06

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- [25] EN
- [54] TRANSIENT NOISE REDUCTION FILTERING SYSTEM
- [54] SYSTEME DE FILTRAGE A REDUCTION DE BRUIT TRANSITOIRE
- [72] OCHI, SAM SEIICHIRO, US
- [71] ANALOG POWER CONVERSION LLC, US
- [85] 2022-03-03
- [86] 2020-09-08 (PCT/US2020/049760)
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- [54] REBAMIPIDE DESTINE A ETRE UTILISE DANS LA PROPHYLAXIE ET LE TRAITEMENT DE LA MALADIE COELIAQUE
- [72] DANEK, IVAN, CZ
- [71] SQUARE POWER LTD, GB
- [85] 2022-02-27
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- [25] EN
- [54] HEPATITIS B ANTIVIRAL AGENTS
- [54] AGENTS ANTIVIRAUX CONTRE L'HEPATITE B
- [72] CHEN, CHIH-MING, US
- [72] LIN, CHU-CHUNG, TW
- [72] HUANG, CHANG-PIN, TW
- [72] CHIANG, CHIAYN, TW
- [71] TAIGEN BIOTECHNOLOGY CO., LTD., TH
- [85] 2022-03-03
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 - [54] COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT D'INFECTIONS VIRALES
 - [72] BALKOVEC, JAMES M., US
 - [72] BENSEN, DANIEL C., US
 - [72] BORCHARDT, ALLEN, US
 - [72] BRADY, THOMAS P., US
 - [72] CHEN, ZHI-YONG, US
 - [72] COLE, JASON, US
 - [72] DO, QUYEN-QUYEN THUY, US
 - [72] DOEHRMANN, SIMON, US
 - [72] JIANG, WANLONG, US
 - [72] LAM, THANH, US
 - [72] NONCOVICH, ALAIN, US
 - [72] TARI, LESLIE W., US
 - [71] CIDARA THERAPEUTICS, INC., US
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 - [86] 2020-09-08 (PCT/US2020/049772)
 - [87] (WO2021/046549)
 - [30] US (62/897,036) 2019-09-06
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- [54] MODULES FOR FIBER OPTIC CABLE DISTRIBUTION SYSTEMS
- [54] MODULES POUR SYSTEMES DE DISTRIBUTION DE CABLES A FIBRES OPTIQUES
- [72] WARD, PHIL, GB
- [71] OPTERNA AM, INC., US
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- [86] 2020-09-08 (PCT/US2020/049789)
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 - [25] EN
 - [54] SHIPLIFT PLATFORM ELEVATION
 - [54] ELEVATION DE PLATE-FORME D'ELEVATEUR DE BATEAU
 - [72] TAYLOR, ROBERT, US
 - [72] LYONS, DANIEL, US
 - [71] BARDEX CORPORATION, US
 - [85] 2022-03-03
 - [86] 2020-09-09 (PCT/US2020/049839)
 - [87] (WO2021/050480)
 - [30] US (62/897,696) 2019-09-09
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- [25] EN
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- [54] COMPOSITIONS DE NEUROTOXINE DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT DE LA GASTROPARIESIE
- [72] BROOKS, GREGORY F., US
- [72] CARTER, ERIC, US
- [71] AEON BIOPHARMA, INC., US
- [85] 2022-03-03
- [86] 2020-09-09 (PCT/US2020/049959)
- [87] (WO2021/050558)
- [30] US (62/897,520) 2019-09-09
- [30] US (62/950,794) 2019-12-19

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[13] A1

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 - [25] EN
 - [54] GRAIN-ORIENTED ELECTRICAL STEEL SHEET AND METHOD OF PRODUCING SAME
 - [54] TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS ORIENTES ET PROCEDE DE PRODUCTION ASSOCIE
 - [72] SHINGAKI, YUKIHIRO, JP
 - [72] SHIMOGAMA, YUSUKE, JP
 - [72] HARADA, AKIFUMI, JP
 - [71] JFE STEEL CORPORATION, JP
 - [85] 2022-03-03
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- [25] EN
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- [54] BOISSON ALCOOLISEE CONDITIONNEE
- [72] YOSHIHARA, KAZUKI, JP
- [72] OCHI, NAOKO, JP
- [71] SUNTORY HOLDINGS LIMITED, JP
- [85] 2022-03-03
- [86] 2020-09-09 (PCT/JP2020/034034)
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[54] PROCESSES FOR REDUCING ENVIRONMENTAL AVAILABILITY OF ENVIRONMENTAL POLLUTANTS

[54] PROCEDES DE REDUCTION DE LA DISPONIBILITE ENVIRONNEMENTALE DE POLLUANTS ENVIRONNEMENTAUX

[72] ZHOU, QUNHUI, US
[72] KIM, SE H., US
[72] MILLER, JON E., US
[72] WELZ, SASCHA J., US
[72] GE, ZHONGXIN, US
[71] ALBEMARLE CORPORATION, US
[85] 2022-03-03
[86] 2020-09-16 (PCT/US2020/051002)
[87] (WO2021/055423)
[30] US (62/900,861) 2019-09-16

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[51] Int.Cl. B01D 17/02 (2006.01) B01D 19/00 (2006.01) B04C 3/00 (2006.01) C02F 1/40 (2006.01) E21B 43/34 (2006.01)

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[54] APPAREIL DE SEPARATION AVEC INSERT

[72] SINGDAHLSEN, EIVIND, NO
[71] STAUPER OFFSHORE AS, NO
[85] 2022-03-04
[86] 2020-09-03 (PCT/EP2020/074640)
[87] (WO2021/043923)
[30] NO (20191079) 2019-09-06

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[13] A1

[51] Int.Cl. F01N 3/04 (2006.01) F01N 13/00 (2010.01) F01N 3/01 (2006.01)

[25] EN

[54] EXHAUST GAS CLEANING SYSTEM AND METHOD FOR CLEANING EXHAUST GAS AND USE OF EXHAUST GAS CLEANING SYSTEM

[54] SYSTEME D'EPURATION DES GAZ D'ECHAPPEMENT ET PROCEDE D'EPURATION DES GAZ D'ECHAPPEMENT ET UTILISATION D'UN SYSTEME D'EPURATION DES GAZ D'ECHAPPEMENT

[72] MOLGAARD, SOREN, DK
[72] KRUSE MORTENSEN, RUDDI, DK
[72] HOY HANSEN, NICK, DK
[71] ALFA LAVAL CORPORATE AB, SE
[85] 2022-03-04
[86] 2020-07-30 (PCT/EP2020/071495)
[87] (WO2021/047819)
[30] EP (19196392.5) 2019-09-10

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[51] Int.Cl. C12N 15/869 (2006.01) A61K 39/12 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12N 15/33 (2006.01) C12N 15/38 (2006.01) C12N 15/86 (2006.01)

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[54] RECOMBINANT HERPESVIRUS OF TURKEY VECTORS EXPRESSING ANTIGENS OF AVIAN PATHOGENS AND USES THEREOF

[54] VECTEURS RECOMBINANTS DU VIRUS DE L'HERPES DE LA DINDE EXPRIMANT DES ANTIGENES DE PATHOGENES AVIAIRES ET UTILISATIONS ASSOCIEES

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[72] LUO, YUGANG, US
[72] BROWN, TYLER, US
[71] ZOETIS SERVICES LLC, US
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[72] KREYSING, MORITZ, DE
[71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE
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[54] NOUVEAUX COMPLEXES DE PLATINE IV AYANT UNE EFFICACITE ANTITUMORALE SENSIBLEMENT ACCRUE

[72] KYSILKA, VLADIMIR, CZ
[72] MENGLER, JAN, CZ
[72] MIKOSKA, MILOS, CZ
[71] VUAB PHARMA A.S., CZ
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- [54] PROCEDE DE CONCENTRATION D'UNE SOLUTION DE MATIERE PREMIERE, ET SYSTEME DE CONCENTRATION D'UNE SOLUTION DE MATIERE PREMIERE
- [72] HASHIMOTO, TOMOTAKA, JP
- [72] SUGA, YUKI, JP
- [72] MIKAWA, MASATO, JP
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- [54] INSERTS OCULAIRES D'HYDROGEL MOU CONDITIONNES PAR VOIE HUMIDE
- [72] GE, JUNHAO, US
- [72] ZHANG, STEVE YUN, US
- [72] WU, DAQING, US
- [72] CHENG, JING, US
- [71] ALCON INC., CH
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- [25] EN
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- [54] ENSEMBLE INTELLIGENT ET PROCEDE DE PRODUCTION D'ENERGIE ILLIMITEE A L'AIDE D'UNE SERIE D'ELEMENTS ROTATIFS
- [72] HAQUE, MUHAMMAD REAZUL, MY
- [72] AL-FARID, FAHMID, MY
- [72] HAIDER, SAYED NAFIZ, MY
- [72] HASSAN, MD MAHEDI, MY
- [72] ELAHI, MANJUR, MY
- [72] YUSOFF, ZULFADZLI, MY
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- [54] AMIDON DE POIS PREGELATINISE POUR PATE A FRIRE ET ENROBAGE
- [72] PERERA, CHANDANI, FR
- [71] ROQUETTE FRERES, FR
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- [72] GUO, RONG, CN
- [72] WU, GAOYU, CN
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- [71] 10353744 CANADA LTD., CA
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- [54] CELLULES A VAPEUR AYANT DES SECTIONS TRANSVERSALES DE DIFFUSION REDUITES ET LEURS PROCEDES DE FABRICATION
- [72] AMARLOO, HADI, CA
- [72] RAMIREZ-SERRANO, JAIME, CA
- [72] SHAFFER, JAMES P., CA
- [71] QUANTUM VALLEY IDEAS LABORATORIES, CA
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[72] DONG, BANGFA, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-03-03
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[72] ALTSHULER, EDWARD LAFE, US
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[72] GRECI, STEPHEN MICHAEL, US
[72] FRIPP, MICHAEL LINLEY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] ENSEMBLE DE RECONNAISSANCE ET DE COMMUNICATION
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[72] GIRLING, TIMOTHY KEITH, GB
[72] THOMSON, MURRAY, GB
[71] BAE SYSTEMS PLC, GB
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[72] DOMINGUEZ CHAVEZ, JORGE GUILLERMO, MX
[72] MONDRAGON VASQUEZ, KARINA, MX
[72] SENOSIAIN PELAEZ, JUAN PABLO, MX
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- [54] COMPOSITIONS COMPRENANT DE LA CYTISINE DANS LE TRAITEMENT ET/OU LA PREVENTION DE L'ADDICTION CHEZ DES SUJETS EN AYANT BESOIN
- [72] JACOBS, CINDY A., US
- [72] CAIN, DANIEL F., US
- [72] CLARKE, ANTHONY, GB
- [71] ACHIEVE LIFE SCIENCES, INC., US
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 - [71] ATAM GROUP LIMITED, GB
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 - [72] SCHMIEDEHAUSEN, KRISTIN, GB
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- [71] AMARE GLOBAL, US
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 - [54] COMPOSITION CONTENANT UN GEL THERMOSENSIBLE ET UN OLIGOPEPTIDE, ET SON UTILISATION
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 - [72] WAKABAYASHI, MACHIKO, JP
 - [72] ITO, TOMOKO, JP
 - [71] INTERNATIONAL FRONTIER TECHNOLOGY LABORATORY, INC., JP
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- [54] DISPOSITIFS ET PROCEDES HEMOSTATIQUES A BASE DE FIBRES DE SILICE
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- [71] AMERICAN NANO, LLC, US
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[72] HOFF, KEVIN G., US
[72] KOMOR, RUSSELL S., US
[71] GENOMATICA, INC., US
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[72] HAMILTON, DOUGLAS, US
[71] ACLARA TECHNOLOGIES LLC, US
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[54] PROCEDES DE CONSERVATION
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L'AIDE DE MONOXYDE DE
CARBONE
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[72] YOSHIDA, TATSURO, US
[71] HEMANEXT INC., US
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[54] INJECTEUR SANS AIGUILLE
AVEC DETECTION DE BULLES
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[72] BARKIN, TYLER F., US
[72] PELLETIER, MARC, US
[71] PORTAL INSTRUMENTS, INC., US
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<p style="text-align: right;">[21] 3,153,452</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C02F 9/00 (2006.01) C02F 1/00 (2006.01) C02F 1/04 (2006.01) C02F 1/52 (2006.01) C02F 1/66 (2006.01) C02F 1/68 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR TREATING FRAC AND PRODUCED WATER</p> <p>[54] PROCEDE DE TRAITEMENT DES EAUX DE FRACTURATION ET DE PRODUCTION</p> <p>[72] POCISK, JEFFREY, US</p> <p>[71] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR</p> <p>[85] 2022-02-28</p> <p>[86] 2020-08-21 (PCT/US2020/047316)</p> <p>[87] (WO2021/045912)</p> <p>[30] US (62/896,041) 2019-09-05</p>	<p style="text-align: right;">[21] 3,153,479</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61F 5/451 (2006.01) A61F 5/455 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICES AND SYSTEMS FOR URINE COLLECTION</p> <p>[54] DISPOSITIFS ET SYSTEMES DE COLLECTE D'URINE</p> <p>[72] BLABAS, BRETT C., US</p> <p>[72] SEXTON, KRISTIN M., US</p> <p>[72] ULRICH, DANIEL R., US</p> <p>[72] BOULOS, CATHERINE S., US</p> <p>[72] O'HALLORAN, BRITT, US</p> <p>[71] SAGE PRODUCTS LLC, US</p> <p>[85] 2022-03-04</p> <p>[86] 2020-09-07 (PCT/US2020/049628)</p> <p>[87] (WO2021/046501)</p> <p>[30] US (62/897,058) 2019-09-06</p>	<p style="text-align: right;">[21] 3,153,487</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 47/69 (2017.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTI-NUCLEOLIN AGENT-PEG-CONJUGATED NANOPARTICLES</p> <p>[54] NANOParticules CONJUGUEES A UN PEG ET A UN AGENT ANTINUCLEOLINE</p> <p>[72] ALLEN, NICHOLAS C., US</p> <p>[72] BATES, PAULA J., US</p> <p>[72] O'TOOLE, MARTIN G., US</p> <p>[71] UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC., US</p> <p>[85] 2022-03-04</p> <p>[86] 2020-09-10 (PCT/US2020/050261)</p> <p>[87] (WO2021/050779)</p> <p>[30] US (62/898,527) 2019-09-10</p>
<p style="text-align: right;">[21] 3,153,474</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65D 51/28 (2006.01) B65D 81/32 (2006.01)</p> <p>[25] EN</p> <p>[54] RECONFIGURABLE CONTAINER-CLOSURE SYSTEM</p> <p>[54] SYSTEME DE FERMETURE DE RECIPIENT RECONFIGURABLE</p> <p>[72] CHEN, YUN, CN</p> <p>[72] QUE, CHUZHEN, CN</p> <p>[71] ELC MANAGEMENT LLC, US</p> <p>[85] 2021-09-29</p> <p>[86] 2019-04-12 (PCT/CN2019/080365)</p> <p>[87] (WO2020/206571)</p>	<p style="text-align: right;">[21] 3,153,481</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61F 2/58 (2006.01)</p> <p>[25] EN</p> <p>[54] BIOMEDICAL FINGER ASSEMBLY WITH RATCHETING LOCK</p> <p>[54] ENSEMBLE DOIGT BIOMEDICAL AVEC VERROU A CLIQUET</p> <p>[72] GRIEBLING, ERICH THEODORE, US</p> <p>[72] TREADWELL, CATHERINE ROCILLE, US</p> <p>[72] CRITTENDEN, BRADLEY ARTHUR, US</p> <p>[71] RCM ENTERPRISE L.L.C., US</p> <p>[85] 2022-03-04</p> <p>[86] 2020-09-22 (PCT/US2020/052066)</p> <p>[87] (WO2021/061681)</p> <p>[30] US (62/904,506) 2019-09-23</p>	

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[54] IMPROVED INTERMODAL TRANSPORTATION SYSTEM
[54] SYSTEME DE TRANSPORT INTERMODAL AMELIORE
[72] SCHNEIDER, DANIEL J., US
[71] SCHNEIDER, DANIEL J., US
[85] 2022-03-04
[86] 2020-09-04 (PCT/US2020/049549)
[87] (WO2021/046454)
[30] US (62/896,366) 2019-09-05

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[13] A1

[51] Int.Cl. B29C 64/00 (2017.01) B33Y 10/00 (2015.01) B33Y 80/00 (2015.01) B29C 64/10 (2017.01) B29C 64/40 (2017.01)
[25] EN
[54] 3D PRINTING OF HIGH STIFFNESS-TO-WEIGHT REFLECTIVE OPTICS
[54] IMPRESSION 3D D'ELEMENTS OPTIQUES REFLECHISSANTS A RAPPORT RIGIDITE/POIDS ELEVE
[72] POLIZOTTI, JOHN J., US
[72] PAGGI, CRAIG J., US
[72] SHAW, MICHAEL J., US
[71] BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC., US
[85] 2022-03-04
[86] 2020-09-09 (PCT/US2020/049806)
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[30] US (16/567,481) 2019-09-11

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[13] A1

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[25] EN
[54] METHODS AND SYSTEMS PROVIDING CYBER DEFENSE FOR ELECTRONIC IDENTIFICATION, VEHICLES, ANCILLARY VEHICLE PLATFORMS AND TELEMATICS PLATFORMS
[54] PROCEDES ET SYSTEMES FOURNISANT UNE CYBERDEFENSE POUR UNE IDENTIFICATION ELECTRONIQUE, VEHICULES, PLATEFORMES DE VEHICULE AUXILIAIRES ET PLATEFORMES TELEMATIQUES

[72] DAVIS, DONNELL, US
[71] DAVIS, DONNELL, US
[85] 2022-03-04
[86] 2020-09-04 (PCT/US2020/049569)
[87] (WO2021/046470)
[30] US (62/896,559) 2019-09-05
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[51] Int.Cl. A61K 39/395 (2006.01) A61K 31/706 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)
[25] EN
[54] COMBINATION THERAPIES FOR TREATING MYELODYSPLASTIC SYNDROMES AND ACUTE MYELOID LEUKEMIA
[54] POLYTHERAPIES POUR LE TRAITEMENT DE SYNDROMES MYELODYSPLASIQUES ET DE LA LEUCEMIE MYELOIDE AIGUE
[72] CAO, YINUO, US
[72] CHAO, MARK PING, US
[72] MAJETI, RAVINDRA, US
[72] MAUTE, ROY LOUIS, US
[72] TAKIMOTO, CHRIS HIDEMI MIZUFUNE, US
[72] TRAN, KELLY, US
[71] FORTY SEVEN, INC., US
[85] 2022-03-04
[86] 2020-10-16 (PCT/US2020/056011)
[87] (WO2021/076908)
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[25] EN
[54] MAXWELL PARALLEL IMAGING
[54] IMAGERIE PARALLELE MAXWELL
[72] FERNANDEZ VILLENA, JORGE, PT
[72] LEFKIMMIATIS, STAMATIOS, GR
[72] POLYMERIDIS, ATHANASIOS, GR
[72] TAYLI, DORUK, US
[71] Q BIO, INC., US
[85] 2022-03-04
[86] 2020-09-25 (PCT/US2020/052717)
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[30] US (62/907,516) 2019-09-27

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[51] Int.Cl. B65D 75/30 (2006.01) A61K 8/02 (2006.01) A61K 8/11 (2006.01) B65D 65/46 (2006.01) C08J 5/18 (2006.01)

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[54] BIODEGRADABLE AND OR HOME COMPOSTABLE SACHET CONTAINING A SOLID ARTICLE
[54] SACHET BIODEGRADABLE ET/OU COMPOSTABLE A DOMICILE CONTENANT UN ARTICLE SOLIDE
[72] BARTOLUCCI, STEFANO, SG
[72] BOSWELL, EMILY, CHARLOTTE, US
[72] LEE, SUANNE, SG
[71] THE PROCTOR & GAMBLE COMPANY, US
[85] 2022-03-04
[86] 2020-10-14 (PCT/US2020/070665)
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 - [25] EN
 - [54] COATED ABRASIVES HAVING AN IMPROVED SUPERSIZE COATING
 - [54] ABRASIFS REVETUS COMPORTANT UN REVETEMENT DE SURENCOLLAGE AMELIORE
 - [72] HASO, FADI, US
 - [72] MAASEL, ANNA, US
 - [72] HERBERT, CHARLES G., US
 - [72] RICE, WILLIAM C., US
 - [71] SAINT-GOBAIN ABRASIVES, INC., US
 - [71] SAINT-GOBAIN ABRASIFS, FR
 - [85] 2022-03-04
 - [86] 2020-09-03 (PCT/US2020/049097)
 - [87] (WO2021/046150)
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[13] A1

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- [25] EN
- [54] INCUBATOR WITH AIR CURTAIN
- [54] INCUBATEUR AVEC RIDEAU D'AIR
- [72] ROTHEMBERG, BARRY E., US
- [72] SON, KYONG-SU, US
- [72] LE, ROYAL Q., US
- [71] EMBRIENT, INC., US
- [85] 2022-03-04
- [86] 2020-09-03 (PCT/US2020/049149)
- [87] (WO2021/046185)
- [30] US (62/895,587) 2019-09-04

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 - [25] EN
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 - [54] DETECTION DE VARIANTS D'ACIDE NUCLEIQUE DE CHLAMYDIA TRACHOMATIS
 - [72] CLARK, CRAIG B., US
 - [72] GETMAN, DAMON K., US
 - [72] MAJLESSI, MEHRDAD R., US
 - [72] WALCHER, MARION, US
 - [71] GEN-PROBE INCORPORATED, US
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 - [86] 2020-09-03 (PCT/US2020/049277)
 - [87] (WO2021/046270)
 - [30] US (62/896,472) 2019-09-05
 - [30] US (62/704,833) 2020-05-29
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- [25] EN
- [54] MECHANICAL GROUNDING CLAMP
- [54] PINCE DE MISE A LA TERRE MECANIQUE
- [72] MARTIN, EVAN RONALD, US
- [71] HUBBELL INCORPORATED, US
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- [86] 2020-09-04 (PCT/US2020/049450)
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 - [25] EN
 - [54] SYSTEMS AND APPROACHES FOR DRUG DELIVERY DEVICE RECONSTITUTION
 - [54] SYSTEMES ET APPROCHES POUR LA RECONSTITUTION D'UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT
 - [72] MALLOY, SHAWN, US
 - [71] AMGEN INC., US
 - [85] 2022-03-04
 - [86] 2020-10-16 (PCT/US2020/055873)
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 - [30] US (62/923,179) 2019-10-18
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- [25] EN
- [54] ACOUSTIC OUTPUT APPARATUS
- [54] DISPOSITIF DE SORTIE ACOUSTIQUE
- [72] ZHANG, LEI, CN
- [72] FU, JUNJIANG, CN
- [72] LIAO, FENGYUN, CN
- [72] QI, XIN, CN
- [71] SHENZHEN SHOKZ CO., LTD., CN
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- [86] 2020-08-04 (PCT/CN2020/106759)
- [87] (WO2021/052046)
- [30] CN (201910888762.2) 2019-09-19
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 - [25] EN
 - [54] SYSTEM TO SUPPORT CANTILEVERED MEMBERS FROM A VERTICAL PANEL
 - [54] SYSTEME DE SUPPORT D'ELEMENTS EN PORTE-A-FAUX DEPUIS UN PANNEAU VERTICAL
 - [72] RODRIGUEZ, ARTURO GONZALEZ, US
 - [72] POTTER, MICHAEL D., US
 - [71] QUALSERV SOLUTIONS, LLC, US
 - [85] 2022-03-04
 - [86] 2021-03-03 (PCT/US2021/020601)
 - [87] (WO2021/178492)
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- [25] EN
- [54] PERSONAL CARE COMPOSITION PRESERVATIVES LEVEL OPTIMIZATION
- [54] OPTIMISATION DU NIVEAU DE CONSERVATEURS DE COMPOSITION DE SOINS D'HYGIENE
- [72] CHANG, DEBORA W., US
- [72] JOHNSON, ERIC SCOTT, US
- [72] KUHAR, MATTHEW FRANCIS, US
- [72] MUIR, BETH ANNE, US
- [71] THE PROCTER & GAMBLE COMPANY, US
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- [87] (WO2021/081557)
- [30] US (62/925,492) 2019-10-24

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- [25] EN
- [54] METHODS AND COMPOSITIONS FOR TREATING A DISEASE OR DISORDER
- [54] PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT D'UNE MALADIE OU D'UN TROUBLE
- [72] ZHU, YUWEN, US
- [72] CHEN, LIEPING, US
- [72] SCHULICK, RICHARD D., US
- [72] SUN, YI, US
- [71] YALE UNIVERSITY, US
- [71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
- [85] 2022-03-04
- [86] 2020-09-25 (PCT/US2020/052681)
- [87] (WO2021/062128)
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- [25] EN
- [54] AN INTEGRATED ACUTE CENTRAL VENOUS CATHETER AND PERIPHERALLY INSERTED VENOUS CATHETER
- [54] CATHETER VEINEUX CENTRAL AIGU ET CATHETER VEINEUX A INSERTION PERIPHERIQUE INTEGRES
- [72] HOWELL, GLADE HAROLD, US
- [71] BARD ACCESS SYSTEMS, INC., US
- [85] 2022-03-04
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- [87] (WO2021/062023)
- [30] US (62/905,363) 2019-09-24

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 - [25] EN
 - [54] ASSESSMENT AND ADJUSTMENT OF TIME-VARYING PULSE PATTERNS IN A SPINAL CORD STIMULATOR SYSTEM
 - [54] EVALUATION ET AJUSTEMENT DE MOTIFS D'IMPULSION VARIANT DANS LE TEMPS DANS UN SYSTEME DE STIMULATEUR DE MOELLE EPINIERE
 - [72] ESTELLER, ROSANA, US
 - [72] BLOCK, JESSICA, US
 - [72] ZHU, CHANGFANG, US
 - [71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
 - [85] 2022-03-04
 - [86] 2020-09-24 (PCT/US2020/052520)
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- [54] ENSEMBLE TAMIS TENDU
- [72] COLGROVE, JAMES R., US
- [71] DERRICK CORPORATION, US
- [85] 2022-03-04
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- [87] (WO2021/055822)
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- [72] WHITE, GREG, US
- [72] GRANQUIST, JEREMY, US
- [72] LEE, OLAF, US
- [71] PROTOTYPE GARAGE, LLC, US
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- [72] KESLER, KRIS, US
- [71] MATTUR, LLC, US
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- [71] AMARE GLOBAL, US
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- [54] PROCEDE DE REDUCTION DU RETRAIT DANS LA PRODUCTION DE PANNEAUX STRUCTURAUX POUR UN BATIMENT
- [72] BREE, CHARLES CAULDER, NZ
- [71] BREE, CHARLES CAULDER, NZ
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- [54] DISPOSITIFS ET PROCEDES POUR LA FILTRATION, LE SECHAGE ET LE TRAITEMENT MECANIQUE INGRES D'INGREDIENTS PHARMACEUTIQUES ACTIFS
- [72] BRANCAZIO, DAVID, US
- [72] MYERSON, ALLAN S., US
- [72] AZAD, MOHAMMAD A., US
- [72] HAMMERSMITH, GREGORY J., US
- [72] CAPELLADES MENDEZ, GERARD, US
- [72] NEUROHR, CLEMENCE, US
- [72] RAPP, KERSTEN, US
- [72] BRIGGS, NAOMI ELIZABETH BARBARA, US
- [71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
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- [54] CONFIGURATIONS DE FUSELAGE D'AERONEF POUR EVITER UN HEURT DE QUEUE TOUT EN PERMETTANT DE SUPPORTER DES CHARGES UTILES LONGUES
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- [72] BELL, JASON C., US
- [72] LUNDSTROM, MARK EMIL, US
- [71] ZSM HOLDINGS LLC, US
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- [54] COMPOSITIONS D'EMULSION POUR APPRETER UNE SURFACE DE CHAUSSEE
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- [72] VALE, GLENDA, US
- [72] NAIR, CHENTHAMARAKSHA, US
- [72] BOYARSKIKH, VYACHESLAV, US
- [71] ECOLAB USA INC., US
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- [72] SPOHN, MICHAEL, US
- [72] COWAN, KEVIN, US
- [72] UBER III, ARTHUR, US
- [72] CAMPBELL, PATRICK, US
- [72] OSAN, ANDREW, US
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- [54] NOVEL CRISPR ENZYMES, METHODS, SYSTEMS AND USES THEREOF
- [54] NOUVELLES ENZYMES CRISPR, PROCEDES, SYSTEMES ET UTILISATIONS ASSOCIEES
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- [72] BARRERA, LUIS, US
- [71] BEAM THERAPEUTICS INC., US
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- [72] HILL, ANDREW JOHN, AU
- [72] ROBERTSON, SHAUN THOMAS, AU
- [71] TECHNOLOGICAL RESOURCES PTY. LIMITED, AU
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- [72] YANG, MU-HSUAN, CN
- [72] CHOU, CHENG-HAN, CN
- [72] WU, YI-HONG, CN
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[71] 10353744 CANADA LTD., CA
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[72] LIN, PEILIE, CN
[71] 10353744 CANADA LTD., CA
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[54] COMPOSE AYANT UNE ACTIVITE INHIBITRICE DE LA KINASE AXL ET DE LA KINASE C-MET, SA PREPARATION ET SON APPLICATION

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[72] GENG, MEIYU, CN
[72] ZHANG, HEFENG, CN
[72] DING, JIAN, CN
[72] AI, JING, CN
[72] PENG, XIA, CN
[72] JI, YINCHUN, CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
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[72] MORTENSEN, RASMUS, DK
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 - [72] KRAMER, AXEL, DE
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- [72] PARSA, EDRIS, DE
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- [71] TEKMODO OZ HOLDINGS, LLC, US
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 - [72] SCHNEIDER, HANS-CHRISTIAN, DE
 - [71] DENTSPLY SIRONA INC., US
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- [72] BINDER, FLORIAN PAUL CHRISTIAN, DE
- [72] DAHMANN, GEORG, DE
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- [72] BRADY, THOMAS P., US
- [72] CHEN, ZHI-YONG, US
- [72] DO, QUYEN-QUYEN THUY, US
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- [72] NONCOVICH, ALAIN, US
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- [71] LUBRIZOL ADVANCED MATERIALS, INC., US
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- [72] BARBATO, DONATO, IT
- [72] DE PALO, FRANCESCO, IT
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- [54] DISPOSITIF ET PROCEDE D'ANALYSE GENETIQUE DE MATERIAUX VEGETAUX DANS DES SITES D'ESSAI A DISTANCE
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- [72] SHIN, DONG JIN, US
- [72] CHEN, FAN-EN, US
- [72] YUN, YUE, US
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- [71] PIONEER HI-BRED INTERNATIONAL, INC., US
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- [25] EN
- [54] **SYSTEM, DEVICE AND METHODS FOR DETECTION OF UNSANCTIONED HARDWARE MODIFICATION OF A PRODUCT'S AC CIRCUIT**
- [54] **SYSTEME, DISPOSITIF ET PROCEDES POUR LA DETECTION D'UNE MODIFICATION MATERIELLE NON APPROUVEE D'UN CIRCUIT A COURANT ALTERNATIF D'UN PRODUIT**
- [72] GAL, SHMUEL, IL
- [72] TSIRLIN, ALEXEY, IL
- [72] SHTENDEL, RONIT, IL
- [72] SHTENDEL, YUVAL, IL
- [71] SODYBO LTD., IL
- [85] 2022-03-07
- [86] 2020-09-02 (PCT/IL2020/050951)
- [87] (WO2021/044412)
- [30] IL (269191) 2019-09-08

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- [25] EN
- [54] **PRODUCTION OF MALIC ACID USING TUBULAR AND STIRRED TANK REACTORS**
- [54] **PRODUCTION D'ACIDE MALIQUE A L'AIDE DE REACTEURS TUBULAIRES ET AGITES**
- [72] RANGASWAMY, PARTHASARATHY, IN
- [71] THIRUMALAI CHEMICALS LIMITED, IN
- [85] 2022-03-07
- [86] 2020-10-02 (PCT/IN2020/050848)
- [87] (WO2021/064753)
- [30] IN (201921040419) 2019-10-04

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- [25] EN
- [54] **PROTEIN-MACROMOLECULE CONJUGATES AND METHODS OF USE THEREOF**
- [54] **CONJUGUES PROTEINE-MACROMOLECULE ET LEURS METHODES D'UTILISATION**
- [72] SONG, YUNTAO, US
- [72] LI, HUI, US
- [72] ZHOU, HAIPING, CN
- [72] LIAO, CHUAN, CN
- [71] BEIJING XUANYI PHARMASCIENCES CO., LTD., CN
- [85] 2022-03-07
- [86] 2020-09-30 (PCT/US2020/053572)
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- [25] EN
- [54] **SUBCUTANEOUSLY INJECTABLE INSULIN AND GLUCAGON FORMULATIONS AND METHODS OF ADMINISTRATION**
- [54] **FORMULATIONS D'INSULINE ET DE GLUCAGON INJECTABLES PAR VOIE SOUS-CUTANEE ET PROCEDES D'ADMINISTRATION**
- [72] STEINER, SOLOMON S., US
- [72] D'SOUZA, LAWRENCE, US
- [72] RHODES, CHRISTOPHER A., US
- [71] CASS PHARMACEUTICALS, INC., US
- [85] 2022-03-07
- [86] 2020-09-16 (PCT/US2020/051111)
- [87] (WO2021/055505)
- [30] US (62/901,408) 2019-09-17

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- [25] EN
- [54] **METHODS FOR DETECTING HEREDITARY CANCERS**
- [54] **METHODES DE DETECTION DE CANCERS HEREDITAIRES**
- [72] ROSENTHAL, SUN HEE, US
- [72] SUN, WEIMIN, US
- [72] ZHANG, KE, US
- [72] GERASIMOVA, ANNA, US
- [72] GRUPE, ANDREW, US
- [72] LACBAWAN, FELICITAS, US
- [71] QUEST DIAGNOSTICS INVESTMENTS LLC, US
- [85] 2022-01-17
- [86] 2020-07-17 (PCT/US2020/042563)
- [87] (WO2021/016089)
- [30] US (62/876,552) 2019-07-19

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[13] A1

- [51] Int.Cl. A47J 31/32 (2006.01) A47J 31/40 (2006.01)
- [25] EN
- [54] **BEVERAGE EXTRACTING DEVICE**
- [54] **DISPOSITIF D'EXTRACTION DE BOISSON**
- [72] WELGEBOREN, ADRIANUS PETRUS, NL
- [72] VERHOEVEN, ROMANUS EDUARD, NL
- [72] HUIBERTS, JOHANNES THEODORUS EMERENTIA, NL
- [72] VAN KEULEN, JAN, NL
- [71] BRAVILOR BONAMAT BV, NL
- [85] 2021-09-17
- [86] 2020-03-13 (PCT/NL2020/050170)
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- [30] NL (2022775) 2019-03-20

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 - [25] EN
 - [54] NICOTINE POUCH
 - [54] POCHE A NICOTINE
 - [72] LISSNER, LUCAS, SE
 - [72] FALK, YANA Z, SE
 - [71] ENORAMA PHARMA AB, SE
 - [85] 2022-03-08
 - [86] 2020-09-17 (PCT/EP2020/075997)
 - [87] (WO2021/053078)
 - [30] SE (1951054-4) 2019-09-18
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- [51] Int.Cl. A61K 51/08 (2006.01) A61K 51/12 (2006.01)
 - [25] EN
 - [54] METHODS FOR RADIOLABELLING GRPR ANTAGONISTS AND THEIR KITS
 - [54] METHODES DE RADIOMARQUAGE D'ANTAGONISTES DE GRPR ET LEURS KITS
 - [72] MARIANI, MAURIZIO F., IT
 - [72] ORLANDI, FRANCESCA, IT
 - [72] FUGAZZA, LORENZA, IT
 - [72] CASTALDI, ELENA, IT
 - [72] TEDESCO, MATTIA, IT
 - [71] NOVARTIS AG, CH
 - [85] 2022-03-08
 - [86] 2020-09-16 (PCT/EP2020/075911)
 - [87] (WO2021/053040)
 - [30] EP (19197833.7) 2019-09-17
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- [51] Int.Cl. A61C 15/00 (2006.01) A46B 15/00 (2006.01)
 - [25] EN
 - [54] AN INTERDENTAL CLEANING DEVICE
 - [54] DISPOSITIF DE NETTOYAGE INTERDENTAIRE
 - [72] WEBBER, JAMIE, AU
 - [71] WEBBER, JAMIE, AU
 - [85] 2022-02-25
 - [86] 2020-08-24 (PCT/AU2020/000085)
 - [87] (WO2021/035275)
 - [30] AU (2019903109) 2019-08-26
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- [51] Int.Cl. F21V 8/00 (2006.01) G02B 27/01 (2006.01) G02B 27/14 (2006.01)
- [25] EN
- [54] IMAGE DISPLAY SYSTEM WITH BEAM MULTIPLICATION
- [54] SYSTEME D'AFFICHAGE D'IMAGE A MULTIPLICATION DE FAISCEAU
- [72] EISENFELD, TSION, IL
- [72] CHRIKI, RONEN, IL
- [71] LUMUS LTD., IL
- [85] 2022-02-25
- [86] 2020-09-15 (PCT/IL2020/051008)
- [87] (WO2021/053665)
- [30] US (62/900,671) 2019-09-16

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[13] A1

- [51] Int.Cl. A61K 8/34 (2006.01) A61K 31/05 (2006.01) A61K 31/075 (2006.01) A61P 1/16 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 5/06 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 19/02 (2006.01) A61P 19/10 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] COMPOSITION AND METHODS FOR ENHANCING OR PROMOTING A HEALTHY METABOLIC AGING
- [54] COMPOSITION ET PROCEDES POUR AMELIORER OU FAVORISER UN VIEILLISSEMENT METABOLIQUE SAIN
- [72] RODRIGUEZ DE FONSECA, FERNANDO, ES
- [72] NAVARRO GALERA, JUAN ANTONIO, ES
- [72] BAIXERAS LLANO, ELENA, ES
- [72] DECARA DEL OLMO, JUAN MANUEL, ES
- [72] MEDINA VERA, DINA, ES
- [72] LOPEZ GAMERO, ANTONIO JESUS, ES
- [72] SUAREZ PEREZ, JUAN, ES
- [72] SANJUAN MERINO, CARLOS, ES
- [72] ROSELL DEL VALLE, CRISTINA, ES
- [72] PAVON MORON, FRANCISCO JAVIER, ES
- [71] SERVICIO ANDALUZ DE SALUD, ES
- [71] EURONUTRA, S.L., ES
- [71] UNIVERSIDAD DE MALAGA, ES
- [85] 2022-03-08
- [86] 2020-09-09 (PCT/EP2020/075180)
- [87] (WO2021/048195)
- [30] EP (19382778.9) 2019-09-09

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[13] A1

[51] Int.Cl. G06Q 10/08 (2012.01)

[25] EN

[54] A SYSTEM AND METHOD FOR CONTROLLING THE MOVEMENT OF ITEMS
[54] SYSTEME ET PROCEDE DE COMMANDE DE MOUVEMENT D'ARTICLES

[72] STEINER, TIM, GB

[71] OCADO INNOVATION LIMITED, GB

[85] 2022-03-03

[86] 2020-09-04 (PCT/EP2020/074873)

[87] (WO2021/044036)

[30] GB (1912750.5) 2019-09-05

[21] 3,153,665

[13] A1

[51] Int.Cl. A61C 8/00 (2006.01)

[25] EN

[54] CUSTOM ABUTMENT SYSTEM FOR A DENTAL IMPLANT AND A DENTAL PROSTHESIS

[54] SYSTEME DE BUTEE PERSONNALISEE POUR IMPLANT DENTAIRE ET PROTHESE DENTAIRE

[72] GUAY, ROBERT, CA

[71] INNOVADENT LABORATOIRE DENTAIRE INC., CA

[85] 2022-03-08

[86] 2019-09-11 (PCT/CA2019/051286)

[87] (WO2021/046629)

[21] 3,153,666

[13] A1

[51] Int.Cl. H02K 1/22 (2006.01) H02K 1/27 (2022.01)

[25] EN

[54] ROTOR, METHOD FOR DESIGNING ROTOR, AND METHOD FOR PRODUCING ROTOR

[54] ROTOR, METHODE DE CONCEPTION D'UN ROTOR ET METHODE DE FABRICATION D'UN ROTOR

[72] SUENAGA, SHIN, JP

[72] ARITA, YOSHIHIRO, JP

[72] OHATA, YOSHIFUMI, JP

[72] ARAMAKI, TAKASHI, JP

[72] YAMAMOTO, SHUJI, JP

[71] NIPPON STEEL CORPORATION, JP

[85] 2022-03-07

[86] 2020-10-06 (PCT/JP2020/037796)

[87] (WO2021/070795)

[30] JP (2019-185110) 2019-10-08

[21] 3,153,667

[13] A1

[51] Int.Cl. B29C 45/76 (2006.01) B29C 45/17 (2006.01)

[25] EN

[54] STABILIZED ADAPTIVE HYDRAULIC SYSTEM PRESSURE IN AN INJECTION MOLDING SYSTEM

[54] PRESSION DE SYSTEME HYDRAULIQUE ADAPTATIF STABILISEE DANS UN SYSTEME DE MOULAGE PAR INJECTION

[72] YU, WEICHUN, CA

[72] SCHULTZ, GREGORY ALLAN, CA

[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA

[85] 2022-03-08

[86] 2020-09-21 (PCT/CA2020/051261)

[87] (WO2021/062523)

[30] US (62/910,546) 2019-10-04

[21] 3,153,670

[13] A1

[51] Int.Cl. A61K 38/16 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) C07K 14/33 (2006.01)

[25] EN

[54] USE OF CLOSTRIDIAL NEUROTOXIN VARIANT FOR THE TREATMENT OF NEUROLOGICAL DISORDERS

[54] UTILISATION DE VARIANT DE NEUROTOXINE CLOSTRIDIENNE POUR LE TRAITEMENT DE TROUBLES NEUROLOGIQUES

[72] FONFRIA SUBIROS, ELENA, GB

[72] LEWANDOWSKA, AGNIESZKA, GB

[71] IPSEN BIOPHARM LIMITED, GB

[85] 2022-03-07

[86] 2020-09-30 (PCT/GB2020/052363)

[87] (WO2021/064369)

[30] GB (1914034.2) 2019-09-30

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[13] A1

[51] Int.Cl. G06Q 10/06 (2012.01) G06Q 10/08 (2012.01) G06Q 50/12 (2012.01)

[25] EN

[54] STORAGE TANK MANAGEMENT SYSTEM AND STORAGE TANK MANAGEMENT METHOD

[54] SYSTEME DE GESTION DE RESERVOIR DE STOCKAGE ET PROCEDE DE GESTION DE RESERVOIR DE STOCKAGE

[72] SUZUKI, TAKESHI, JP

[72] INOUE, MASAMI, JP

[72] HAKAMADA, KAZUHIKO, JP

[72] KOZONO, SHINSUKE, JP

[72] WATANABE, KENICHI, JP

[71] J-OIL MILLS, INC., JP

[85] 2022-03-07

[86] 2020-10-29 (PCT/JP2020/040601)

[87] (WO2021/095543)

[30] JP (2019-205584) 2019-11-13

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- [25] EN
- [54] **SUPERCritical DRYING OF CHROMATOGRAPHIC MEDIA**
- [54] **SECHAGE SUPERCRITIQUE DE MILIEUX CHROMATOGRAPHIQUES**
- [72] BOYLE, JOHN, US
- [72] SKARJA, GARY, US
- [72] RAGHEB, AMRO, US
- [71] MERCK MILLIPORE LTD., IE
- [85] 2022-03-08
- [86] 2020-09-14 (PCT/IB2020/000832)
- [87] (WO2021/048633)
- [30] US (62/900,155) 2019-09-13
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[21] 3,153,675
[13] A1

- [51] Int.Cl. A61K 9/107 (2006.01) A01N 1/00 (2006.01) A61K 9/51 (2006.01)
- [25] EN
- [54] **BIOPOLYMER EMULSION FOR ACTIVE PACKAGING, USES AND METHOD OF MANUFACTURING**
- [54] **EMULSION BIOPOLYMERE POUR EMBALLAGE ACTIF, UTILISATIONS ET PROCEDE DE FABRICATION**
- [72] BRANKOVIC, ZORICA, RS
- [72] CIRKOVIC, JOVANA, RS
- [72] RADOJKOVIC, ALEKSANDAR, RS
- [72] BRANKOVIC, GORAN, RS
- [72] JOVANOVIC, JELENA, RS
- [72] KRNJAJIC, SLOBODAN, RS
- [72] VELJOVIC JOVANOVIC, SONJA, RS
- [71] UNIVERZITET U BEOGRADU, RS
- [85] 2022-03-07
- [86] 2018-09-14 (PCT/RS2018/000013)
- [87] (WO2020/055277)

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- [25] EN
- [54] **TREATMENT OF HIDRADENITIS WITH JAK INHIBITORS**
- [54] **TRAITEMENT DE L'HIDRADENITE AVEC DES INHIBITEURS DE JAK**
- [72] FENSOME, ANDREW, US
- [72] GERSTENBERGER, BRIAN STEPHEN, US
- [72] OWEN, DAFFYDD RHYS, US
- [71] PFIZER INC., US
- [85] 2022-03-08
- [86] 2020-09-08 (PCT/IB2020/058333)
- [87] (WO2021/048736)
- [30] US (62/899,133) 2019-09-11

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[13] A1

- [51] Int.Cl. B01L 3/00 (2006.01) A61B 10/00 (2006.01)
- [25] EN
- [54] **RELEASING STOPPER, CONTAINER PROVIDED WITH STOPPER AND KITS AND RELEASING METHOD ASSOCIATED THERETO**
- [54] **BOUCHON DE LIBERATION, CONTENANT POURVU D'UN BOUCHON ET ENSEMBLES ET PROCEDE DE LIBERATION ASSOCIE A CE DERNIER**
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- [72] WAMPFLER, SIMON, CH
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- [71] DEPUY SYNTHES PRODUCTS, INC., US
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- [54] CHEMISE DE TUYAU AMELIOREE ET PROCEDES ASSOCIES
- [72] Barnes, Stephen, GB
- [71] FLOWLINING LIMITED, GB
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- [72] MASSEY, CURTIS, US
- [72] FESSETT, CHRIS, US
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- [72] ONG, MATTHEW, US
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- [72] PAGE, JONNY, GB
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 - [72] ADAR, ELIEZER, IL
 - [71] U.T.T. UNIQUE TRANSFORMER TECHNOLOGIES LTD., IL
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- [72] DECOSTE, DAVID, US
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 - [72] TALBOT, JUSTIN, US
 - [71] TABLEAU SOFTWARE, LLC, US
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- [71] THE FRANCIS CRICK INSTITUTE LIMITED, GB
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 - [54] DISPOSITIF DE DECOMPRESSION
 - [72] GUZMAN, MAYRA, MX
 - [72] BRAZIER, GEOFFREY, US
 - [71] BS&B INNOVATIONS LIMITED, IE
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 - [71] BRAZIER, GEOFFREY, US
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 [54] APPAREIL ET PROCEDES DE DETECTION D'ETAT DE SORTIE DE GUIDE DE RIDEAU DE PORTE
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 [72] SIVILL, MICHAEL, US
 [72] SALEH, CHRISTOPHER, US
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 [54] DISPOSITIFS, SYSTEMES ET PROCEDES D'ACQUISITION DE DONNEES SANS FIL PENDANT DES OPERATIONS DE FORAGE
 [72] DRENTH, CHRISTOPHER L., CA
 [72] STEWART, GORDON, AU
 [72] WILKINSON, BRETT, AU
 [72] HILL, RAYMOND, AU
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 [54] SYSTEME ET PROCEDES DE GESTION D'ENERGIE
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 [72] DEMEO, ANNA E., US
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 [72] TORRES, JORGE DELGADO, US
 [72] ALVARADO RENTAS, ROBERTO C., US
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- [54] NOUVEAU COMPOSE HETEROCYCLIQUE AROMATIQUE TRICYCLIQUE, SON PROCEDE DE PREPARATION, COMPOSITION PHARMACEUTIQUE ET SON APPLICATION
- [72] WANG, ZHE, CN
- [72] BAI, HAIYUN, CN
- [72] LI, DELIANG, CN
- [72] QIAN, ANRAN, CN
- [71] SHANGHAI LONGWOOD BIOPHARMACEUTICALS CO., LTD., CN
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- [71] ELEXSYS IP PTY LTD, AU
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- [54] SYSTEME ET PROCEDE POUR OPTIMISER UN FLUX DE TRAFIC DANS TOUTE LA VILLE PAR PRESERVATION DE LA CONFIDENTIALITE D'UNE PRISE EN CHARGE PREDICTIVE EVOLUTIVE D'EQUILIBRAGE DE CHARGE D E TRAFIC DANS TOUTE LA VILLE, ET ETANT PRIS EN CHARGE PAR UNE PLANIFICATION OPTIMALE DE REGULATION DE LA DEMANDE DE ZONE A ZONE ET UNE GESTION DE STATIONNEMENT PREDICTIVE
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- [72] FRITZSCHE, MICHAEL, DE
- [72] EBERT, MARK, DE
- [71] CAROMA INDUSTRIES LIMITED, AU
- [71] MICAS AG, DE
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- [72] KICKLIGHTER, KEVIN C., US
- [72] FRITTS, TONY, US
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- [72] ORELLANA, ALEJANDRO, US
- [71] SAVANT SYSTEMS, INC., US
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 - [54] PROCEDE DE PLANIFICATION DE PRODUCTION DANS UNE LIGNE DE GALVANISATION EN CONTINU
 - [72] DIAZ FIDALGO, DIEGO, ES
 - [72] FERNANDEZ ALZUETA, SILVINO, ES
 - [72] ALVAREZ GARCIA, SEGUNDO, ES
 - [72] MENDEZ HERES, DAVID, ES
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- [54] RETROECLAIRAGE A MODE CONFIDENTIALITE, UNITE D'AFFICHAGE DE CONFIDENTIALITE, ET PROCEDE
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- [71] LEIA INC., US
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 - [54] POSITIONNEUR LINEAIRE
 - [72] DICK, SPENCER B., US
 - [72] BRYANT, NATHAN, US
 - [71] PRECISION AUTOMATION, INC., US
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 - [54] DURABLE ORNAMENTAL INDICIA CARRIER
 - [54] SUPPORT D'INDICES ORNEMENTAL DURABLE
 - [72] VENKATASANTHANAM, SRIRAM, US
 - [72] HEYDARPOUR, RAMIN, US
 - [72] MORTON, JOHN Y., US
 - [72] SATO, JUN, US
 - [72] COLE, MICHAEL CHRISTOPHER, US
 - [72] MOJDEH, MEHDI, US
 - [72] VANUCHY, PRASHANTH, US
 - [72] POWERS, NATALIA LYSAYA, US
 - [72] NARIN, SIBEL, US
 - [72] RILEY, JEREMY, US
 - [71] ALIGN TECHNOLOGY, INC., US
 - [85] 2022-03-08
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 - [54] SYRINGE ADAPTER FOR MEDICATION
 - [54] ADAPTEUR DE SERINGUE POUR MEDICAMENT
 - [72] DOUBET, JAMES T., US
 - [72] DOUBET, PAUL D., US
 - [71] DOUBET, JAMES T., US
 - [71] DOUBET, PAUL D., US
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 - [54] IMPROVED POLYURETHANE FOAM USING HFO PROPELLANTS
 - [54] MOUSSE DE POLYURETHANE AMELIOREE UTILISANT DES PROPULSEURS HFO
 - [72] SHINKO, ANDREW P., US
 - [72] TAYLOR, ANTHONY J., US
 - [71] ICP CONSTRUCTION, INC., US
 - [85] 2022-03-08
 - [86] 2020-09-09 (PCT/US2020/049948)
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- [25] EN
- [54] CENTRIFUGE DEVICE AND METHOD OF USE
- [54] DISPOSITIF DE TYPE CENTRIFUGEUSE ET PROCEDE D'UTILISATION
- [72] ALLARD, RANDALL, US
- [72] ALLARD, POLLY, US
- [72] MCLEER, THOMAS J., US
- [71] ABC MED TECH CORP., US
- [85] 2022-03-08
- [86] 2020-09-09 (PCT/US2020/050014)
- [87] (WO2021/061406)
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- [54] COMPOSES 5,6-HETEROAROMATIQUES CONTEANT DE LA BENZYLAMINE UTILES CONTRE UNE INFECTION MYCOBACTERIENNE
- [72] FUJITANI, MANABU, JP
- [72] IWAKI, TSUTOMU, JP
- [72] NAKAMURA, RINA, JP
- [72] MILLER, MARVIN J., US
- [72] MORASKI, GARRETT C., US
- [71] SHIONOGI & CO., LTD., JP
- [71] HSIRI THERAPEUTICS, INC., US
- [85] 2022-03-08
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- [54] METHODES DE TRAITEMENT DE TROUBLES OCULAIRES
- [72] SINHA, DEBASISH, US
- [72] BYRNE, LEAH, US
- [72] STEPICHEVA, NADEZDA ANATOLYEVNA, US
- [72] GHOSH, SAYAN, US
- [72] HOSE, STACEY, US
- [71] UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
- [85] 2022-03-08
- [86] 2020-09-10 (PCT/US2020/050224)
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- [30] US (62/898,405) 2019-09-10
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- [25] EN
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- [54] COMPOSITION PROBIOTIQUE A BASE DE SPORES POUR LA MODULATION DU MICROBIOME CHEZ L'HOMME
- [72] KRISHNAN, KIRAN, US
- [72] KRIZ, DALE M., US
- [72] BAYNE, THOMAS F., US
- [71] NOVOZYMES A/S, DK
- [85] 2022-03-08
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- [54] CNP VARIANTS AND CONJUGATES THEREOF
- [54] VARIANTS DE CNP ET LEURS CONJUGUES
- [72] WENDT, DANIEL J., US
- [72] BERGUIG, GEOFFREY, US
- [72] ESTRADA, KAROL, US
- [72] LEBOWITZ, JONATHAN, US
- [71] BIOMARIN PHARMACEUTICAL INC., US
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- [30] US (62/901,093) 2019-09-16
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 - [54] SYSTEME DE POMPAGE
 - [72] GROVE, ROBERT A., US
 - [72] MRKVICKA, RODNEY S., US
 - [72] NEEDHAM, MARK C., US
 - [72] KELLY, JOHN K., US
 - [71] SMITH & LOVELESS, INC., US
 - [85] 2022-03-08
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- [54] SYSTEME ET PROCEDE POUR SUIVRE LA COMPLETITUDE DE DONNEES D'IMAGE MEDICALE CO-ENREGISTREES
- [72] CALUSER, CALIN, US
- [72] YANG, GUANG, US
- [71] METRITRACK, INC., US
- [85] 2022-03-08
- [86] 2020-09-09 (PCT/US2020/070509)
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 - [25] EN
 - [54] SYSTEMS AND APPROACHES FOR DRUG DELIVERY DEVICE RECONSTITUTION
 - [54] SYSTEMES ET APPROCHES POUR LA RECONSTITUTION D'UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT
 - [72] MOJARRAD, MEHRAN, US
 - [72] GIBSON, SCOTT R., US
 - [72] LI, XIAOTONG, US
 - [71] AMGEN INC., US
 - [85] 2022-03-08
 - [86] 2020-10-16 (PCT/US2020/055872)
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- [25] EN
- [54] AROMATIC HETEROCYCLIC COMPOUND HAVING TRICYCLIC STRUCTURE, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
- [54] COMPOSE HETEROCYCLIQUE AROMATIQUE AYANT UNE STRUCTURE TRICYCLIQUE, SON PROCEDE DE PREPARATION ET SON APPLICATION
- [72] WANG, ZHE, CN
- [72] BAI, HAIYUN, CN
- [72] LI, DELIANG, CN
- [72] QIAN, ANRAN, CN
- [71] SHANGHAI LONGWOOD BIOPHARMACEUTICALS CO., LTD., CN
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 - [54] CODEUR, DECODEUR ET PROCEDES CORRESPONDANTS POUR LE SIGNALLEMENT DE SOUS-IMAGE DANS UN ENSEMBLE DE PARAMETRES DE SEQUENCE
 - [72] WANG, BIAO, DE
 - [72] ESENLIK, SEMIH, DE
 - [72] KOTRA, ANAND MEHER, DE
 - [72] GAO, HAN, DE
 - [72] ALSHINA, ELENA ALEXANDROVNA, DE
 - [71] HUAWEI TECHNOLOGIES CO., LTD., CN
 - [85] 2022-03-08
 - [86] 2021-01-28 (PCT/CN2021/074104)
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- [25] EN
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- [54] AGENT D'AMELIORATION POUR UN TROUBLE URINAIRE
- [72] KOBAYASHI, HIDEO, JP
- [72] SHINBO, ATSUSHI, JP
- [72] NAKANO, YOUICHI, JP
- [72] ITO, YUTA, JP
- [72] WATANABE, JUNICHI, JP
- [71] ASKA PHARMACEUTICAL CO., LTD., JP
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- [87] (WO2021/065027)
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 - [25] EN
 - [54] ENCODER, DECODER, ENCODING METHOD, AND DECODING METHOD
 - [54] CODEUR, DECODEUR, PROCEDE DE CODAGE ET PROCEDE DE DECODAGE
 - [72] KATO, YUSUKE, JP
 - [72] ABE, KIYOFUMI, JP
 - [72] TOMA, TADAMASA, JP
 - [72] NISHI, TAKAHIRO, JP
 - [71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
 - [85] 2022-03-08
 - [86] 2020-07-03 (PCT/JP2020/026138)
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- [25] EN
- [54] WEAR-RESISTANT STEEL PLATE AND METHOD FOR PRODUCING SAME
- [54] TOLE D'ACIER RESISTANTE A L'USURE ET METHODE DE PRODUCTION
- [72] TAKAYAMA, NAOKI, JP
- [72] KITSUYA, SHIGEKI, JP
- [72] MURAKAMI, YOSHIAKI, JP
- [71] JFE STEEL CORPORATION, JP
- [85] 2022-03-08
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- [87] (WO2021/054015)
- [30] JP (2019-168182) 2019-09-17

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 - [54] TASTE-IMPROVING AGENT FOR HIGH-INTENSITY SWEETENER CONTAINING CAROTENOID DEGRADATION PRODUCT AS ACTIVE INGREDIENT
 - [54] AGENT D'AMELIORATION DU GOUT DESTINE A UN EDULCORANT DE HAUTE INTENSITE CONTENANT UN PRODUIT DE DEGRADATION DE CAROTENOIDE EN TANT QUE PRINCIPE ACTIF
 - [72] MATSUZAWA, SHUN, JP
 - [72] SAKAINO, MASAYOSHI, JP
 - [72] TOKUCHI, TAKAHIRO, JP
 - [72] SANO, TAKASHI, JP
 - [71] J-OIL MILLS, INC., JP
 - [85] 2022-03-08
 - [86] 2020-09-28 (PCT/JP2020/036683)
 - [87] (WO2021/079693)
 - [30] JP (2019-193157) 2019-10-24
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 - [25] EN
 - [54] A PERSONALIZED ACCESSORY FOR PROTECTION OF A BODY PART AND A MANUFACTURING METHOD OF THE SAID ACCESSORY
 - [54] ACCESSOIRE PERSONNALISE POUR LA PROTECTION D'UNE PARTIE DU CORPS ET PROCEDE DE FABRICATION DUDIT ACCESSOIRE
 - [72] HOSTNIK, GAL, SI
 - [72] VOLOVSEK, ANZE, SI
 - [71] FISTULA PROTECT, GAL HOSTNIK S.P., SI
 - [85] 2022-03-08
 - [86] 2020-09-16 (PCT/SI2020/050021)
 - [87] (WO2021/054902)
 - [30] SI (P-201900177) 2019-09-20
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 - [25] EN
 - [54] COMBINATION THERAPY FOR THE TREATMENT OF MIGRAINES
 - [54] POLYTHERAPIE POUR LE TRAITEMENT DE MIGRAINES
 - [72] KRAIG, RICHARD, US
 - [72] WON, LISA, US
 - [72] PUSIC, KAE, US
 - [72] PUSIC, AYA, US
 - [72] SANDERS, MARTIN, US
 - [71] THE UNIVERSITY OF CHICAGO, US
 - [71] SEURAT THERAPEUTICS, US
 - [85] 2022-03-08
 - [86] 2020-09-09 (PCT/US2020/070511)
 - [87] (WO2021/051130)
 - [30] US (62/897,686) 2019-09-09
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- [25] EN
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- [54] PROFILAGE SPATIAL QUANTITATIF POUR UNE THERAPIE PAR ANTAGONISTE DE LAG-3
- [72] HEDVAT, CYRUS, US
- [72] EDWARDS, ROBIN, US
- [72] LEE, GEORGE C., US
- [72] BAXI, VIPUL ATULKUMAR, US
- [71] BRISTOL-MYERS SQUIBB COMPANY, US
- [85] 2022-03-08
- [86] 2020-09-22 (PCT/US2020/052021)
- [87] (WO2021/055994)
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- [25] EN
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- [54] COMMANDE REDONDANTE POUR DISPOSITIFS SANS FIL DANS UN SYSTEME DOMOTIQUE
- [72] MADONNA, ROBERT P., US
- [72] KICKLIGHTER, KEVIN C., US
- [72] BORA, SWAPNIL, US
- [71] SAVANT SYSTEMS, INC., US
- [85] 2022-03-08
- [86] 2020-09-11 (PCT/US2020/050304)
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- [30] US (62/899,004) 2019-09-11

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- [25] EN
- [54] COMPOSITIONS AND METHODS FOR EXTENDING LIFESPAN
- [54] COMPOSITIONS ET PROCEDES DE PROLONGATION DE LA DUREE DE VIE
- [72] GOVINDAN, JOTHI, AMARANATH, US
- [72] JAYAMANI, ELAMPARITHI, US
- [72] CHATTER, PRITI, H., US
- [71] MARVELBIOME, INC., US
- [85] 2022-03-08
- [86] 2020-09-23 (PCT/US2020/052251)
- [87] (WO2021/067100)
- [30] US (62/909,186) 2019-10-01

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- [25] EN
- [54] SPARK PLUG AND METHOD FOR PRODUCING A SPARK PLUG
- [54] BOUGIE D'ALLUMAGE ET PROCEDE DE PRODUCTION DE BOUGIE D'ALLUMAGE
- [72] PRANKL, STEFAN, AT
- [72] KLAUSNER, JOHANN, AT
- [72] GRABNER, ROBERT, AT
- [71] INNIO JENBACHER GMBH & CO OG, AT
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- [87] (WO2021/072458)

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- [25] EN
- [54] CYTOKINE PRODRUGS AND DUAL-PRODRUGS
- [54] PROMEDICAMENTS A BASE DE CYTOKINE ET PROMEDICAMENTS DOUBLES
- [72] LU, YUEFENG, US
- [72] YU, CHUNXIAO, US
- [71] ASKGENE PHARMA, INC., US
- [85] 2022-03-08
- [86] 2020-09-28 (PCT/US2020/053155)
- [87] (WO2021/062406)
- [30] US (62/907,615) 2019-09-28

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- [25] EN
- [54] CHARACTERIZATION OF GENE THERAPY VIRAL PARTICLES USING SIZE EXCLUSION CHROMATOGRAPHY AND MULTI-ANGLE LIGHT SCATTERING TECHNOLOGIES
- [54] CARACTERISATION DE PARTICULES VIRALES DE THERAPIE GENIQUE A L'AIDE DE TECHNOLOGIES DE CHROMATOGRAPHIE D'EXCLUSION STERIQUE ET DE DIFFUSION DE LUMIERE MULTI-ANGLE
- [72] BHAT, VIKAS, US
- [72] BERGUIG, GEOFFREY YEHUDA, US
- [72] MCINTOSH, NICOLE LOUISE, US
- [71] BIOMARIN PHARMACEUTICAL INC., US
- [85] 2022-03-08
- [86] 2020-09-25 (PCT/US2020/052738)
- [87] (WO2021/062164)
- [30] US (62/907,509) 2019-09-27
- [30] US (63/043,571) 2020-06-24

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- [25] EN
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- [54] ISOMALTO-OLIGOSACCHARIDE RESISTANT (IMO-R)
- [72] QURESHI, MOHAMMAD HASSAN, CA
- [71] ADVENTUS LIFEFOODS INC., CA
- [85] 2022-03-09
- [86] 2020-12-16 (PCT/CA2020/051734)
- [87] (WO2021/119818)
- [30] US (62/950,354) 2019-12-19

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- [25] EN
- [54] VERY SOFT EVA FOAM AND METHODS THEREOF
- [54] MOUSSE EVA TRES SOUPLE ET PROCEDES ASSOCIES
- [72] DELEVATI, GIANCARLOS, BR
- [71] BRASKEM S.A., BR
- [85] 2022-03-09
- [86] 2020-09-11 (PCT/IB2020/020052)
- [87] (WO2021/048634)
- [30] US (62/898,912) 2019-09-11

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<p style="text-align: right;">[21] 3,153,789 [13] A1</p> <p>[51] Int.Cl. A41H 1/02 (2006.01) G06T 7/62 (2017.01) A61B 5/00 (2006.01) A61B 5/107 (2006.01) G01B 11/04 (2006.01)</p> <p>[25] EN</p> <p>[54] PHOTOGRAMMETRIC MEASUREMENT OF BODY DIMENSIONS USING PATTERNED GARMENTS</p> <p>[54] MESURE PHOTOGRAMMETRIQUE DE DIMENSIONS CORPORELLES A L'AIDE DE VETEMENTS A MOTIFS</p> <p>[72] COOPER, SIMON, IL [72] SLOBODKIN, MICHAEL, CA [71] LIKE A GLOVE LTD., IL [85] 2022-03-09 [86] 2020-03-19 (PCT/IB2020/052526) [87] (WO2021/099847) [30] US (62/937,265) 2019-11-19 [30] US (62/939,730) 2019-11-25</p>	<p style="text-align: right;">[21] 3,153,791 [13] A1</p> <p>[51] Int.Cl. C23C 2/00 (2006.01) C23C 2/30 (2006.01) C23C 2/40 (2006.01)</p> <p>[25] EN</p> <p>[54] MOVEABLE OVERFLOW</p> <p>[54] TROP-PLEIN MOBILE</p> <p>[72] SAINT-RAYMOND, HUBERT, FR [72] SETTEFRATI, AMICO, FR [72] VAN NIEUWENHUYZE, BERT, BE [72] VAN DYCK, KRISTOF, BE [72] KREPS, FREDDY, BE [72] MEMNI, WOUDHOUH, FR [72] VEG, JOSE, FR [71] ARCELORMITTAL, LU [85] 2022-03-09 [86] 2020-09-03 (PCT/IB2020/058209) [87] (WO2021/048712) [30] IB (PCT/IB2019/057602) 2019-09-10</p>	<p style="text-align: right;">[21] 3,153,793 [13] A1</p> <p>[51] Int.Cl. A61K 9/00 (2006.01) A61K 31/519 (2006.01) A61K 47/20 (2006.01) A61K 47/34 (2017.01) A61P 25/18 (2006.01)</p> <p>[25] EN</p> <p>[54] DRUG DELIVERY FORMULATIONS</p> <p>[54] FORMULATIONS D'ADMINISTRATION DE MEDICAMENTS</p> <p>[72] RECH, ANTHONY, FR [72] ROBERGE, CHRISTOPHE, FR [72] HARARY, ERAN, IL [71] MEDINCELL S.A., FR [85] 2022-03-09 [86] 2020-09-11 (PCT/IB2020/058474) [87] (WO2021/048817)</p>
<p style="text-align: right;">[21] 3,153,790 [13] A1</p> <p>[51] Int.Cl. H05K 7/20 (2006.01)</p> <p>[25] EN</p> <p>[54] SWITCH CABINET ARRANGEMENT WITH AT LEAST ONE IT RACK OR SWITCH CABINET HOUSING AND WITH AT LEAST ONE COOLING UNIT, AND A CORRESPONDING METHOD</p> <p>[54] ARMOIRE DE DISTRIBUTION COMPORANT AU MOINS UN BATI INFORMATIQUE OU UN BOITIER D'ARMOIRE DE DISTRIBUTION ET AU MOINS UN APPAREIL DE FROID ET PROCEDE CORRESPONDANT</p> <p>[72] HIMMELHUBER, FRANK, DE [72] MATTHIES, STEPHAN HELMUT, DE [72] MEYER, ANDREAS, DE [71] RITTAL GMBH & CO. KG, DE [85] 2022-03-09 [86] 2020-09-23 (PCT/DE2020/100821) [87] (WO2021/058062) [30] DE (10 2019 125 512.0) 2019-09-23 [30] DE (10 2019 125 534.1) 2019-09-23 [30] DE (10 2020 105 359.2) 2020-02-28 [30] DE (PCT/DE2020/100704) 2020-08-13</p>	<p style="text-align: right;">[21] 3,153,792 [13] A1</p> <p>[51] Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 9/50 (2006.01) A61K 31/465 (2006.01)</p> <p>[25] EN</p> <p>[54] AN ION-EXCHANGE COMPOSITION WITH WATER-SOLUBLE MUCOADHESIVE POLYMERS</p> <p>[54] COMPOSITION ECHANGEUSE D'IONS AVEC DES POLYMERES MUCOADHESIFS HYDROSOLUBLES</p> <p>[72] NIELSEN, KENT ALBIN, DK [71] FERTIN PHARMA A/S, DK [85] 2022-03-09 [86] 2020-10-09 (PCT/DK2020/050280) [87] (WO2021/069044) [30] US (16/599,991) 2019-10-11</p>	<p style="text-align: right;">[21] 3,153,794 [13] A1</p> <p>[51] Int.Cl. A61K 9/107 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 31/03 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PHARMACEUTICAL COMPOSITION COMPRISING MITOTANE ADMINISTERED ORALLY FOR TREATMENT OF ADRENOCORTICAL CARCINOMA AND CUSHING'S SYNDROME</p> <p>[54] COMPOSITION PHARMACEUTIQUE COMPRENANT LE MITOTANE POUR UNE ADMINISTRATION PAR VOIE ORALE POUR LE TRAITEMENT DU CARCINOME CORTICOSURRENALIEN ET DU SYNDROME DE CUSHING</p> <p>[72] SKIBA, MOHAMED, FR [72] LAHIANI-SKIBA, MALIKA, FR [72] BOUNOURE, FREDERIC, FR [72] THOMAS, MICHAEL, FR [72] LEFEBVRE, HERVE, FR [71] SKIBA, MOHAMED, FR [85] 2022-03-09 [86] 2020-10-01 (PCT/IB2020/059218) [87] (WO2021/084345) [30] FR (FR1912084) 2019-10-28</p>

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[21] **3,153,797**
[13] A1

[51] Int.Cl. A41D 13/015 (2006.01) A41D
31/28 (2019.01) C08K 3/36 (2006.01)
[25] EN
[54] AN ENERGY ABSORBING
MATERIAL
[54] MATERIAU D'ABSORPTION
D'ENERGIE
[72] PLANT, DANIEL JAMES, GB
[71] RHEON LABS LTD, GB
[85] 2022-03-09
[86] 2019-09-11 (PCT/EP2019/074278)
[87] (WO2020/053308)
[30] GB (1814816.3) 2018-09-11

[21] **3,153,803**
[13] A1

[51] Int.Cl. A61K 38/17 (2006.01) A61P
7/00 (2006.01)
[25] EN
[54] METHOD OF TREATMENT OF
HEMATOPOIETIC STEM CELL
TRANSPLANT ASSOCIATED
THROMBOTIC
MICROANGIOPATHY (HSCT-
TMA)
[54] METHODE DE TRAITEMENT DE
LA MICROANGIOPATHIE
THROMBOTIQUE ASSOCIEE A
UNE TRANSPLANTATION DE
CELLULES SOUCHE
HEMATOPOIETIQUES (HSCT-
TMA)
[72] WESTON-DAVIES, WYNNE H, GB
[72] NUNN, MILES, CH
[71] VOLUTION IMMUNO
PHARMACEUTICALS SA, CH
[85] 2022-03-09
[86] 2019-09-27 (PCT/EP2019/076313)
[87] (WO2021/058117)

[21] **3,153,806**
[13] A1

[51] Int.Cl. E04F 15/02 (2006.01) E04F
13/08 (2006.01)
[25] EN
[54] A SET OF BUILDING PANELS
[54] ENSEMBLE DE PANNEAUX DE
CONSTRUCTION
[72] YLIKANGAS, ROGER, SE
[72] NILSSON, ANDERS, SE
[72] QUIST, KARL, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-03-09
[86] 2020-01-09 (PCT/EP2020/050443)
[87] (WO2021/058137)
[30] EP (19199234.6) 2019-09-24

[21] **3,153,809**
[13] A1

[51] Int.Cl. B01D 53/14 (2006.01) C07C
319/20 (2006.01) C07C 323/12
(2006.01)
[25] EN
[54] PROCESS FOR REMOVAL OF
ACID GASES FROM A FLUID
STREAM
[54] PROCEDE D'ELIMINATION DE
GAZ ACIDES CONTENUS DANS
UN COURANT DE FLUIDE
[72] HOLCOMBE, THOMAS WESLEY,
DE
[72] INGRAM, THOMAS, DE
[72] PANCHENKO, ALEXANDER, DE
[72] ERNST, MARTIN, DE
[72] SIEDER, GEORG, DE
[71] BASF SE, DE
[85] 2022-03-09
[86] 2020-08-31 (PCT/EP2020/074181)
[87] (WO2021/047928)
[30] EP (19196362.8) 2019-09-10

[21] **3,153,814**
[13] A1

[51] Int.Cl. A01N 1/02 (2006.01) G01J 3/00
(2006.01) G01N 33/50 (2006.01)
[25] EN
[54] A METHOD FOR EVALUATING
DAMAGE OF SOLID TISSUE
[54] METHODE D'EVALUATION DE
LESIONS SUBIES PAR UN TISSU
SOLIDE
[72] CLAVIEN, PIERRE-ALAIN, CH
[72] DUTKOWSKI, PHILIPP, DE
[72] HEFTI, MAX, CH
[72] SCHULER, MARTIN, CH
[72] BECKER, DUSTIN, CH
[72] RUDOLF VON ROHR, PHILIPP, CH
[71] ETH ZURICH, CH
[71] UNIVERSITAT ZURICH, CH
[85] 2022-03-09
[86] 2020-09-01 (PCT/EP2020/074312)
[87] (WO2021/047947)
[30] EP (19196131.7) 2019-09-09

[21] **3,153,817**
[13] A1

[51] Int.Cl. G01F 3/06 (2006.01) G01G
23/00 (2006.01) G01N 35/00 (2006.01)
H05F 3/06 (2006.01)
[25] EN
[54] APPARATUS AND METHOD TO
NEUTRALIZE STATIC
ELECTRICITY PRESENT ON THE
SURFACE OF CONTAINERS
AND/OR CONTAINER-HOLDING
TRAYS
[54] APPAREIL ET PROCEDE POUR
NEUTRALISER L'ELECTRICITE
STATIQUE PRESENTE SUR LA
SURFACE DE CONTENANTS
ET/OU DE PLATEAUX PORTANT
DES CONTENANTS
[72] CHIANURA, MATTIA, IT
[72] MANERA, SERGIO, IT
[71] I.M.A. INDUSTRIA MACCHINE
AUTOMATICHE S.P.A., IT
[85] 2022-03-09
[86] 2020-09-01 (PCT/IT2020/050211)
[87] (WO2021/048883)
[30] IT (102019000016091) 2019-09-11

[21] **3,153,822**
[13] A1

[51] Int.Cl. H04W 92/18 (2009.01) H04W
28/04 (2009.01)
[25] EN
[54] TERMINAL AND
COMMUNICATION METHOD
[54] TERMINAL ET PROCEDE DE
COMMUNICATION
[72] YOSHIOKA, SHOHEI, JP
[72] NAGATA, SATOSHI, JP
[71] NTT DOCOMO, INC., JP
[85] 2022-03-09
[86] 2019-09-27 (PCT/JP2019/038414)
[87] (WO2021/059540)

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[21] 3,153,830
[13] A1

[51] Int.Cl. G02B 3/14 (2006.01) H01L 41/04 (2006.01)
[25] EN
[54] FEEDFORWARD DETERMINATION OF A DRIVING SIGNAL FOR A PIEZO ACTUATOR
[54] DETERMINATION PAR ANTICIPATION D'UN SIGNAL DE COMMANDE DESTINE A UN ACTIONNEUR PIEZOELECTRIQUE
[72] HENRIKSEN, LARS, NO
[72] TALLARON, NICOLAS, FR
[72] DALOD, ANTOINE ROBERT MARIE, NO
[71] POLIGHT ASA, NO
[85] 2022-03-09
[86] 2020-09-08 (PCT/EP2020/075039)
[87] (WO2021/048103)
[30] EP (19196408.9) 2019-09-10

[21] 3,153,833
[13] A1

[51] Int.Cl. G06T 7/00 (2017.01) H04N 21/218 (2011.01) G06T 7/55 (2017.01) G01B 11/245 (2006.01) G01C 11/02 (2006.01) G01S 3/00 (2006.01) H04N 13/00 (2018.01)
[25] EN
[54] APPARATUS AND METHOD FOR EVALUATING A QUALITY OF IMAGE CAPTURE OF A SCENE
[54] APPAREIL ET PROCEDE D'EVALUATION D'UNE QUALITE DE CAPTURE D'IMAGE D'UNE SCENE
[72] VAREKAMP, CHRISTIAAN, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2022-03-09
[86] 2020-09-08 (PCT/EP2020/075045)
[87] (WO2021/048107)
[30] EP (19196992.2) 2019-09-12

[21] 3,153,835
[13] A1

[51] Int.Cl. H04W 8/22 (2009.01) H04W 4/00 (2018.01) H04W 72/04 (2009.01)
[25] EN
[54] TERMINAL AND COMMUNICATION METHOD
[54] TERMINAL ET PROCEDE DE COMMUNICATION
[72] TAKAHASHI, HIDEAKI, JP
[72] UMEDA, HIROMASA, JP
[72] OGUMA, YUTA, JP
[71] NTT DOCOMO, INC., JP
[85] 2022-03-09
[86] 2019-09-30 (PCT/JP2019/038654)
[87] (WO2021/064841)

[21] 3,153,836
[13] A1

[51] Int.Cl. A01N 43/08 (2006.01) A01N 25/30 (2006.01) A01N 43/80 (2006.01) A01P 13/00 (2006.01)
[25] EN
[54] HIGHLY EFFECTIVE FORMULATIONS ON THE BASIS OF 2-[(2,4-DICHLOROPHENYL)-METHYL]-4,4'-DIMETHYL-3-ISOXAZOLIDINONES AND PREEMERGENCE HERBICIDES
[54] FORMULATIONS HAUTEMENT EFFICACES A BASE DE 2-[(2,4-DICHLOROPHENYL)-METHYL]-4,4'-DIMETHYL-3-ISOXAZOLIDINONES ET HERBICIDES DE PREEMERGENCE
[72] KRAUSE, JENS, DE
[72] MARTELLETTI, ARIANNA, DE
[72] BICKERS, UDO, DE
[72] RATSCHINSKI, ARNO, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-03-09
[86] 2020-09-09 (PCT/EP2020/075171)
[87] (WO2021/048188)
[30] EP (19196784.3) 2019-09-11

[21] 3,153,838
[13] A1

[51] Int.Cl. C07C 29/44 (2006.01) C07C 33/50 (2006.01)
[25] EN
[54] IMPROVED PROCESS FOR PREPARING CYCLOPROPYL COMPOUNDS FROM ALKENES
[54] PROCEDE AMELIORE DE PREPARATION DE COMPOSES CYCLOPROPYLE A PARTIR D'ALCENES
[72] GROSSMANN, ANDRE, DE
[72] SCHLUMMER, BJORN, DE
[71] SALTIGO GMBH, DE
[85] 2022-03-09
[86] 2020-09-09 (PCT/EP2020/075207)
[87] (WO2021/048210)
[30] EP (19196901.3) 2019-09-12

[21] 3,153,840
[13] A1

[51] Int.Cl. B65H 16/00 (2006.01) B65B 9/073 (2012.01) B65B 9/00 (2006.01) B65B 41/12 (2006.01) B65H 75/10 (2006.01) B65H 75/30 (2006.01)
[25] EN
[54] WOUND BODY, CORE BODY FOR WOUND BODY, AND COMBINATION OF WOUND BODY AND SUPPORT SHAFT
[54] ROULEAU, AME POUR ROULEAU, ET COMBINAISON DE ROULEAU ET D'ARBRE DE SUPPORT
[72] MATSUHISA, YOSHIKI, JP
[72] MICHIHATA, YOSHIYUKI, JP
[72] YOSHIMURA, TOMOHIRO, JP
[72] IWASAKI, SHINJI, JP
[71] TAKAZONO CORPORATION, JP
[85] 2022-03-09
[86] 2020-09-04 (PCT/JP2020/033548)
[87] (WO2021/084909)
[30] JP (2019-198469) 2019-10-31
[30] JP (2019-198479) 2019-10-31
[30] JP (2019-198497) 2019-10-31
[30] JP (2020-078913) 2020-04-28
[30] JP (2020-129886) 2020-07-31

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[21] 3,153,841
[13] A1

[51] Int.Cl. C07C 381/12 (2006.01) C07D 301/02 (2006.01) C07D 303/04 (2006.01)
[25] EN
[54] IMPROVED PROCESS FOR PREPARING EPOXIDES FROM ALDEHYDES OR KETONES
[54] PROCEDE AMELIORE DE PREPARATION D'EPOXYDES A PARTIR D'ALDEHYDES OU DE CETONES
[72] GROSSMANN, ANDRE, DE
[72] SCHLUMMER, BJORN, DE
[71] SALTIGO GMBH, DE
[85] 2022-03-09
[86] 2020-09-09 (PCT/EP2020/075210)
[87] (WO2021/048212)
[30] EP (19196907.0) 2019-09-12

[21] 3,153,844
[13] A1

[51] Int.Cl. G06F 9/54 (2006.01)
[25] FR
[54] METHOD FOR COMMUNICATING BETWEEN SOFTWARE ENTITIES VIA AN API
[54] PROCEDE DE COMMUNICATION ENTRE DES ENTITES LOGICIELLES VIA UNE API
[72] NGUYEN DINH HIEN, MICHAEL THIEN BAO, FR
[72] JAULIN, JEAN-PHILIPPE, FR
[71] SAGEMCOM BROADBAND SAS, FR
[85] 2022-03-09
[86] 2020-09-11 (PCT/EP2020/075532)
[87] (WO2021/048395)
[30] FR (FR1910071) 2019-09-12

[21] 3,153,848
[13] A1

[51] Int.Cl. G01C 21/00 (2006.01) G01S 19/06 (2010.01) G01C 21/16 (2006.01) G01C 21/20 (2006.01)
[25] FR
[54] METHOD AND SYSTEM FOR POSITIONING A VEHICLE USING AN IMAGE-CAPTURING DEVICE
[54] PROCEDE ET SYSTEME DE POSITIONNEMENT DE VEHICULE METTANT EN OEUVRE UN DISPOSITIF DE CAPTURE D'IMAGE
[72] OLLAGNIER, ISABELLE, FR
[72] CAUCHY, THOMAS, FR
[72] OLLAGNIER, CEDRIC, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2022-03-09
[86] 2020-09-11 (PCT/EP2020/075571)
[87] (WO2021/052890)
[30] FR (1910264) 2019-09-17

[21] 3,153,852
[13] A1

[51] Int.Cl. H05K 9/00 (2006.01)
[25] EN
[54] EQUIPMENT ENCLOSURE
[54] ENCEINTE D'EQUIPEMENT
[72] BISHOP, SIMON, GB
[72] MATTHEWS, CARL MARTIN, GB
[72] BAKER, CURTIS, GB
[71] BAE SYSTEMS PLC, GB
[85] 2022-03-09
[86] 2020-09-10 (PCT/GB2020/052169)
[87] (WO2021/053319)
[30] GB (1913445.1) 2019-09-18
[30] EP (19275109.7) 2019-10-29

[21] 3,153,856
[13] A1

[51] Int.Cl. A61M 11/00 (2006.01) A61K 31/135 (2006.01) A61K 45/06 (2006.01) A61M 15/08 (2006.01) A61P 11/02 (2006.01)
[25] EN
[54] INTRANASAL ADMINISTRATION OF ESKETAMINE
[54] ADMINISTRATION INTRANASALE D'ESKETAMINE
[72] JIMIDAR, M. ILIAS, BE
[72] WANG, JINGLI, US
[72] AERTS, CAROLINE, BE
[72] VERBRUGGEN, KATRIEN, BE
[72] THEUNIS, SAARTJE, BE
[72] SINGH, JASKARAN, US
[72] KAYENS, KRIS, BE
[72] ZANNIKOS, PETER, BE
[72] YAN, HONG, US
[71] JANSSEN PHARMACEUTICALS, INC., US
[85] 2022-03-09
[86] 2020-03-04 (PCT/IB2020/051882)
[87] (WO2021/048638)
[30] US (62/899,870) 2019-09-13

[21] 3,153,862
[13] A1

[51] Int.Cl. A01M 21/04 (2006.01) A01N 43/90 (2006.01) A01P 13/00 (2006.01) C07D 491/044 (2006.01)
[25] EN
[54] 7-OXA-3,4-DIAZABICYCLO[4.1.0]HEPTA-4-ENE-2-ONE COMPOUND AND HERBICIDE
[54] COMPOSE 7-OXA-3,4-DIAZABICYCLO[4.1.0]HEPTA-4-ENE-2-ONE ET HERBICIDE
[72] MIHARA KEN, JP
[72] IKEDA YOJI, JP
[72] TAKI YUKINA, JP
[72] KATO KAZUSHIGE, JP
[72] OOKA HIROHITO, JP
[72] FUJII KAZUSHIGE, JP
[71] NIPPON SODA CO., LTD., JP
[85] 2022-03-09
[86] 2020-09-23 (PCT/JP2020/035689)
[87] (WO2021/060240)
[30] JP (2019-174531) 2019-09-25

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<p style="text-align: right;">[21] 3,153,919</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61N 5/10 (2006.01) G01T 1/29 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR USING AND CONTROLLING HIGHER DOSE RATE IONIZING RADIATION IN SHORT TIME INTERVALS</p> <p>[54] PROCEDES ET SYSTEMES POUR UTILISER ET REGULER UN RAYONNEMENT IONISANT A DEBIT DE DOSE SUPERIEUR DANS DES INTERVALLES DE TEMPS COURTS</p> <p>[72] BROOKS, KENNETH W., US [72] NELSON, JAMES A., US [72] DESCIOLI, DEREK T., US [72] PATANE, CHRISTOPHER J., US [72] GOER, DONALD A., US [71] INTRAOP MEDICAL CORPORATION, US [85] 2022-03-09 [86] 2020-09-09 (PCT/US2020/049925) [87] (WO2021/050535) [30] US (62/900,505) 2019-09-14 [30] US (62/986,104) 2020-03-06</p>	<p style="text-align: right;">[21] 3,153,931</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65D 90/00 (2006.01)</p> <p>[25] EN</p> <p>[54] INTERMODAL WAREHOUSING SYSTEM</p> <p>[54] SYSTEME D'ENTREPOSAGE INTERMODAL</p> <p>[72] BRENNAN, JAMES F., US [71] SEA BOX, INC., US [85] 2022-03-09 [86] 2020-09-10 (PCT/US2020/050071) [87] (WO2021/050644) [30] US (62/898,313) 2019-09-10</p>	<p style="text-align: right;">[21] 3,153,937</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06N 20/00 (2019.01) G06F 8/41 (2018.01) G06N 3/04 (2006.01) G06N 3/08 (2006.01)</p> <p>[25] EN</p> <p>[54] VISUALLY CREATING AND MONITORING MACHINE LEARNING MODELS</p> <p>[54] CREATION VISUELLE ET SURVEILLANCE DE MODELES D'APPRENTISSAGE AUTOMATIQUE</p> <p>[72] INDER SIKKA, VISHAL, US [72] AMELANG, DANIEL JAMES, US [72] DUNNELL, KEVIN FREDERICK, US [71] VIANAI SYSTEMS, INC., US [85] 2022-03-09 [86] 2020-09-11 (PCT/US2020/050569) [87] (WO2021/051006) [30] US (62/899,264) 2019-09-12 [30] US (17/017,594) 2020-09-10</p>
<p style="text-align: right;">[21] 3,153,930</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G16H 20/00 (2018.01) G16H 40/20 (2018.01) G16H 50/30 (2018.01)</p> <p>[25] EN</p> <p>[54] CLINICAL OUTCOME TRACKING AND ANALYSIS EMPLOYING PROVISIONA/REFINED NODAL ADDRESSES RELEVANT TO TREATMENT/PROGNOSIS-RELATED OUTCOME AND RISK ASSESSMENT</p> <p>[54] SYSTEMES ET PROCEDES DE SUIVI ET D'ANALYSE DE RESULTATS CLINIQUES (COTA) UTILISANT DES ADRESSES NODALES PROVISOIRES PERTINENTES POUR LE TRAITEMENT ET DES ADRESSES NODALES AFFINEES PERTINENTES POUR L'EVALUATION DU RESULTAT ATTENDU ET DU RISQUE RELATIFS AU PRONOSTIC</p> <p>[72] PECORA, ANDREW L., US [72] NORDEN, ANDREW, US [71] COTA, INC., US [85] 2022-03-09 [86] 2020-09-08 (PCT/US2020/049749) [87] (WO2021/050438) [30] US (62/900,135) 2019-09-13</p>	<p style="text-align: right;">[21] 3,153,933</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B25C 5/02 (2006.01) B25C 1/00 (2006.01) B25C 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] DIRECTIONAL CLINCHING TOOL AND NAILS</p> <p>[54] OUTIL A AGRAFER DIRECTIONNEL ET CLOUS</p> <p>[72] LAMB, FREDERICK WILLIAM, US [71] PNEUTOOLS, INC., US [85] 2022-03-09 [86] 2020-09-10 (PCT/US2020/050091) [87] (WO2021/050657) [30] US (62/898,147) 2019-09-10</p>	<p style="text-align: right;">[21] 3,153,940</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C09K 3/18 (2006.01) C08J 7/043 (2020.01) A61L 28/00 (2006.01) C03C 17/34 (2006.01) C04B 41/89 (2006.01) C08J 7/12 (2006.01) C09D 5/16 (2006.01)</p> <p>[25] EN</p> <p>[54] FORMULATIONS AND PROCESSES TO GENERATE REPELLENT SURFACES</p> <p>[54] FORMULATIONS ET PROCEDES POUR GENERER DES SURFACES REPULSIVES</p> <p>[72] SUN, NAN, US [72] BOSCHITSCH, BIRGITT, US [71] SPOTLESS MATERIALS INC., US [85] 2022-03-09 [86] 2020-09-14 (PCT/US2020/050618) [87] (WO2021/051036) [30] US (62/900,207) 2019-09-13 [30] US (62/935,887) 2019-11-15 [30] US (62/992,589) 2020-03-20</p>
<p style="text-align: right;">[21] 3,153,935</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06T 19/00 (2011.01) G06F 3/0481 (2022.01) G05B 15/02 (2006.01) G06F 3/01 (2006.01) G06T 15/00 (2011.01)</p> <p>[25] EN</p> <p>[54] THREE DIMENSIONAL VIRTUAL ROOM-BASED USER INTERFACE FOR A HOME AUTOMATION SYSTEM</p> <p>[54] INTERFACE UTILISATEUR BASEE SUR UNE PIECE VIRTUELLE</p> <p>[72] MADONNA, ROBERT P., US [72] MADONNA, MAXWELL, US [72] TATZEL, DAVID W., US [72] MOLTA, MICHAEL A., US [72] KALLMAN, TIMONHY, US [71] SAVANT SYSTEMS, INC., US [85] 2022-03-09 [86] 2020-09-11 (PCT/US2020/050403) [87] (WO2021/050872) [30] US (62/898,941) 2019-09-11</p>		

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[25] EN
[54] SYSTEMS AND METHODS FOR PROTEIN EXPRESSION
[54] SYSTEMES ET PROCEDES D'EXPRESSION DE PROTEINES
[72] MERTINS, BARBARA, US
[72] FOLLIARD, THOMAS, US
[71] EXCEPGEN INC., US
[85] 2022-03-09
[86] 2020-09-15 (PCT/US2020/050910)
[87] (WO2021/055369)
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[51] Int.Cl. A47K 13/08 (2006.01) A47K 11/12 (2006.01)
[25] EN
[54] METHOD AND APPARATUS FOR PROVIDING AN IMPROVED TOILET
[54] PROCEDE ET APPAREIL PERMETTANT DE FOURNIR DES TOILETTES AMELIOREES
[72] STIKES III, JOHN G., US
[71] STIKES III, JOHN G., US
[85] 2022-03-09
[86] 2020-10-19 (PCT/US2020/056256)
[87] (WO2021/080892)
[30] US (62/923,746) 2019-10-21
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[51] Int.Cl. G06F 17/00 (2019.01)
[25] EN
[54] WIRELESS PATIENT MONITORING COMPLIANCE SYSTEM
[54] SYSTEME DE SUIVI DE MONITORAGE DE PATIENT SANS FIL
[72] NAGY, PETER A., US
[72] ANSINN, DETLEV, US
[71] INVISALERT SOLUTIONS, INC., US
[85] 2022-03-09
[86] 2020-09-11 (PCT/US2020/050548)
[87] (WO2021/050988)
[30] US (62/899,080) 2019-09-11

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[51] Int.Cl. B60G 11/00 (2006.01) B60G 11/08 (2006.01)
[25] EN
[54] SUSPENSION SYSTEM
[54] SYSTEME DE SUSPENSION
[72] HAEUSLER, FELIX, US
[72] ROSSO, NATHANIEL RISLER, US
[72] ANG, CHUNG SHEN, US
[72] WALSH, JEFFREY, US
[72] CHARBONNEAU, ALEXI, US
[72] AUSTIN, BRIAN W., US
[72] GARMEL, CHARLES, US
[72] MASON, JOHN, US
[72] MCCARRON, DANIEL GEORGE, US
[72] LYU, NAESUNG, US
[71] CANOO TECHNOLOGIES INC., US
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[30] US (62/897,970) 2019-09-09

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[51] Int.Cl. G06F 1/00 (2006.01) G06F 1/16 (2006.01) G06F 1/26 (2006.01) G06F 13/38 (2006.01) G06G 1/16 (2006.01) H05K 13/00 (2006.01)
[25] EN
[54] SYSTEMS AND METHODS FOR DOCKING STATIONS REMOVABLY ATTACHABLE TO DISPLAY APPARATUSES
[54] SYSTEMES ET PROCEDES DESTINES A DES STATIONS D'ACCUEIL POUVANT ETRE FIXEES AMOVIBLES A DES APPAREILS D'AFFICHAGE
[72] DECAMP, RONALD, US
[72] TSANG, MAN CHEUNG DAN, US
[72] MARKOVSKY, NICHOLAS ANTHONY, US
[71] TARGUS INTERNATIONAL LLC, US
[85] 2022-03-09
[86] 2020-08-17 (PCT/US2020/046703)
[87] (WO2021/050215)
[30] US (62/897,772) 2019-09-09
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[30] US (16/833,089) 2020-03-27

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[51] Int.Cl. G21F 5/005 (2006.01)
[25] EN
[54] CONTAINER FOR STORING, TRANSPORTING AND DISPOSAL OF RADIOACTIVE WASTE
[54] CONTENEUR POUR LE STOCKAGE, LE TRANSPORT ET L'ENFOUISSEMENT DE DECHETS RADIOACTIFS
[72] BABAYANTS, GENNADY IVANOVICH, RU
[72] BABAYANTS, KONSTANTIN GENNADIEVICH, RU
[72] SHARYKIN, OLEG VITALIEVICH, RU
[71] LIMITED LIABILITY COMPANY "CERAMIC TECHNOLOGIES LTD", RU
[85] 2022-03-09
[86] 2020-09-08 (PCT/RU2020/000483)
[87] (WO2021/049974)
[30] RU (2019128906) 2019-09-13

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[51] Int.Cl. F24F 3/147 (2006.01) F24F 11/83 (2018.01) B01D 53/26 (2006.01) F24F 12/00 (2006.01)
[25] EN
[54] DEHUMIDIFICATION SYSTEM
[54] SYSTEME DE DESHUMIDIFICATION
[72] CARLSSON, MAGNUS, SE
[71] MUNTERS EUROPE AKTIEBOLAG, SE
[85] 2022-03-09
[86] 2020-09-11 (PCT/SE2020/050854)
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[30] SE (1951038-7) 2019-09-13

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[25] FR
[54] DEVICE FOR REVEALING SPATIAL VARIATIONS IN THE POLARISATION OF ELECTROMAGNETIC RADIATION
[54] DISPOSITIF POUR REVELER DES VARIATIONS SPATIALES DE POLARISATION D'UN RAYONNEMENT ELECTROMAGNETIQUE
[72] PROST, DANIEL, FR
[72] ROMIER, MAXIME, FR
[72] BELOT, DANIEL, FR
[72] SIMON, PATRICE, FR
[72] BROUSSE, KEVIN, FR
[72] TABERNA, PIERRE-LOUIS, FR
[71] OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES, FR
[71] CENTRE NATIONAL D'ETUDES SPATIALES C N E S, FR
[71] UNIVERSITE PAUL SABATIER TOULOUSE III, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE-CNRS, FR
[85] 2022-03-09
[86] 2020-09-16 (PCT/FR2020/051601)
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[51] Int.Cl. C07K 16/28 (2006.01)
[25] EN
[54] ANTI-TNFR2 ANTIBODIES AND USES THEREOF
[54] ANTICORPS ANTI-TNFR2 ET LEURS UTILISATIONS
[72] TAM, ERIC, M., US
[72] MUDA, MARCO, US
[72] RAUE, KLAUS, ANDREAS, US
[72] KURELLA, VINODH, B., US
[72] DRUMMOND, DARYL, CLARK, US
[72] FULTON, ROSS, BANE, US
[72] DEPIS, FABIEN, US
[72] DUGAST, ANNE-SOPHIE, US
[72] TANG, JIAN, US
[72] KUMAR, SANDEEP, US
[71] MERRIMACK PHARMACEUTICALS, INC., US
[85] 2022-03-09
[86] 2019-09-18 (PCT/US2019/051756)
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[51] Int.Cl. G01M 99/00 (2011.01) E21B 43/12 (2006.01)
[25] EN
[54] CHARACTERIZATION OF DOWNHOLE GAS HANDLING SYSTEMS
[54] CARACTERISATION DE SYSTEMES DE MANIPULATION DE GAZ DE FOND DE TROU
[72] KOPECKY, TREVOR ALAN, US
[72] BROWN, DONN J., US
[72] MULLINS, BRYAN DON, US
[72] FIELDER, VANCE LEE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-03-09
[86] 2019-12-06 (PCT/US2019/065108)
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[51] Int.Cl. A61B 3/10 (2006.01)
[25] FR
[54] DEVICE AND METHOD FOR DETECTING TEAR FILM BREAKUP
[54] DISPOSITIF ET PROCEDE DE DETECTION DE RUPTURE DE FILM LACRYMAL
[72] BROTTIER, YVES-VINCENT, FR
[72] OBIN, ARNAUD, FR
[72] PERRIN, NELSON, FR
[71] E-SWIN DEVELOPPEMENT, FR
[85] 2022-03-09
[86] 2020-09-11 (PCT/FR2020/051581)
[87] (WO2021/048511)
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[51] Int.Cl. B29C 65/74 (2006.01) B29C 65/02 (2006.01) B65B 51/30 (2006.01)
[25] EN
[54] HEAT SEAL JAWS WITH ASYMMETRIC TEETH
[54] MACHOIRES DE THERMOSCELLAGE A DENTS ASYMETRIQUES
[72] TUCKER, STEVEN, US
[71] FRITO-LAY NORTH AMERICA, INC., US
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<p style="text-align: right;">[21] 3,153,965</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06K 9/00 (2022.01)</p> <p>[25] EN</p> <p>[54] VISITOR-TAILORED PROPERTY CONFIGURATION</p> <p>[54] CONFIGURATION DE PROPRIETE ADAPTEE AUX VISITEURS</p> <p>[72] CORRENTI, MATTHEW DANIEL, US</p> <p>[71] ALARM.COM INCORPORATED, US</p> <p>[85] 2022-03-09</p> <p>[86] 2020-08-31 (PCT/US2020/048785)</p> <p>[87] (WO2021/050314)</p> <p>[30] US (62/897,467) 2019-09-09</p>
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<p style="text-align: right;">[21] 3,153,967</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B23K 9/095 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND APPARATUS TO DETERMINE ENERGY INPUT TO WELDING PROCESSES INVOLVING MULTIPLE ENERGY SOURCES</p> <p>[54] PROCEDES ET APPAREIL DE DETERMINATION D'UN APPORT ENERGETIQUE POUR DES PROCESSUS DE SOUDAGE IMPLIQUANT DE MULTIPLES SOURCES D'ENERGIE</p> <p>[72] MASSEY, STEVEN BLAIR, US</p> <p>[72] UECKER, JAMES LEE, US</p> <p>[72] DAVIDSON, ROBERT RAIMUND, US</p> <p>[71] ILLNOIS TOOL WORKS INC., US</p> <p>[85] 2022-03-09</p> <p>[86] 2020-10-21 (PCT/US2020/056687)</p> <p>[87] (WO2021/081111)</p> <p>[30] US (62/924,081) 2019-10-21</p>

<p style="text-align: right;">[21] 3,153,964</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 1/16 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR DOCKING STATIONS REMOVABLY ATTACHABLE TO DISPLAY APPARATUSES AND DOCKING STAND ASSEMBLIES</p> <p>[54] SYSTEMES ET PROCEDES POUR DES STATIONS D'ACCUEIL POUVANT ETRE FIXEES DE MANIERE AMOVIBLE A DES APPAREILS D'AFFICHAGE ET DES ENSEMBLES SOCLES D'ACCUEIL</p> <p>[72] DECAMP, RONALD, US</p> <p>[72] TSANG, MAN CHEUNG DAN, US</p> <p>[72] MARKOVSKY, NICHOLAS ANTHONY, US</p> <p>[71] TARGUS INTERNATIONAL LLC, US</p> <p>[85] 2022-03-09</p> <p>[86] 2020-09-09 (PCT/US2020/049980)</p> <p>[87] (WO2021/050575)</p> <p>[30] US (62/897,772) 2019-09-09</p> <p>[30] US (62/911,756) 2019-10-07</p> <p>[30] US (16/833,089) 2020-03-27</p> <p>[30] US (17/016,005) 2020-09-09</p>

<p style="text-align: right;">[21] 3,153,966</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C09K 5/04 (2006.01) F25B 41/00 (2021.01) F25D 17/00 (2006.01) F28F 23/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HEAT TRANSFER FLUIDS FOR USE IN LOW TEMPERATURE CHILLER APPLICATIONS</p> <p>[54] FLUIDES CALOPORTEURS POUR UTILISATION DANS DES APPLICATIONS DE REFROIDISSEUR A BASSE TEMPERATURE</p> <p>[72] MUSYIMI, HARRISON K., US</p> <p>[72] WU, RAYMOND, US</p> <p>[72] FRASER, MICHAEL R., US</p> <p>[72] SIMONI, LUKE DAVID, US</p> <p>[71] THE CHEMOURS COMPANY FC, LLC, US</p> <p>[85] 2022-03-09</p> <p>[86] 2020-10-27 (PCT/US2020/057446)</p> <p>[87] (WO2021/086804)</p> <p>[30] US (62/926,688) 2019-10-28</p>
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 - [71] RED BULL GMBH, AT
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- [54] COMMANDE HYDRAULIQUE POUR APPAREIL DE CUISSON D'ALIMENTS
- [72] KEEREMAN, FILIP, BE
- [72] PETRE, EMMANUEL, BE
- [72] VAN DE VIJVER, JOHAN, BE
- [71] INCOMEC-CEREX NV, BE
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 - [25] EN
 - [54] PREPARATION CONTAINING HUMAN ALBUMIN AND PREPARATION METHOD THEREFOR
 - [54] PREPARATION CONTENANT DE L'ALBUMINE HUMAINE ET SON PROCEDE DE PREPARATION
 - [72] XIANG, WEI, CN
 - [72] YUE, ZHILEI, CN
 - [71] TONGHUA ANRATE BIOPHARMACEUTICAL CO., LTD, CN
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- [54] ENSEMBLE DISPOSITIF DE CHAUFFAGE ET APPAREIL DE GENERATION D'AEROSOL LE COMPRENANT
- [72] LEE, JAE MIN, KR
- [72] LEE, HYUNG SEOK, KR
- [72] AN, HWI KYEONG, KR
- [72] JU, SOUNG HO, KR
- [72] PARK, SANG KYU, KR
- [71] KT&G CORPORATION, KR
- [85] 2021-12-09
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 - [25] EN
 - [54] INTERACTION BEHAVIOR RECOGNIZING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM
 - [54] PROCEDE DE RECONNAISSANCE DE COMPORTEMENT D'INTERACTION, APPAREIL, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE
 - [72] ZHUANG, XIYANG, CN
 - [72] YU, DAIWEI, CN
 - [72] SUN, HAO, CN
 - [72] YANG, XIAN, CN
 - [71] 10353744 CANADA LTD., CA
 - [85] 2022-03-10
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- [54] DEEP LEARNING-BASED EMOTIONAL SPEECH SYNTHESIS METHOD AND DEVICE
- [54] PROCEDE ET DISPOSITIF DE SYNTHESE DE PAROLE EMOTIONNELLE FONDÉ SUR UN APPRENTISSAGE PROFOND
- [72] ZHONG, YUQI, CN
- [71] 10353744 CANADA LTD., CA
- [85] 2022-03-10
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[54] MATRICE DE ROUTEUR
[72] BUTTLE, KEN, US
[72] MEYER, CHARLES S., US
[71] GRASS VALLEY CANADA, CA
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[54] COMPOSITIONS, METHODS AND KITS TO DETECT HERPES SIMPLEX VIRUS NUCLEIC ACIDS
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[72] AIYER, APARNA, US
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[54] SUPPORT D'EPROUVEtte D'ESSAI POUR ENVIRONNEMENTS A HAUTE TEMPERATURE
[72] LEMMER, STEVEN R., US
[72] MCQUILLAN, KEVIN P., US
[71] MTS SYSTEMS CORPORATION, US
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[54] SYSTEME POUR ATTACHER DES ACCESSOIRES A UN VEHICULE
[72] CHENEVERT, FRANCOIS, CA
[72] LABBE, CHRISTIAN, CA
[72] MERCIER, MATHIEU, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
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[54] AGENTS ANTINEOPLASIQUES ET ANTIPROLIFERATIFS HAUTEMENT ACTIFS
[72] STRUM, JAY COPELAND, US
[72] BISI, JOHN EMERSON, US
[72] ROBERTS, PATRICK JOSEPH, US
[72] TAVARES, FRANCIS XAVIER, US
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[72] STRAIT, RANDY WAYNE, US
[72] STRAIT, BLAKE LLOYD, US
[71] ARCTIC SNOW AND ICE CONTROL, INC., US
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[72] ANDERSEN, JONATHAN I., US
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[54] MECANISMES D'ALIMENTATION, DE SEPARATION ET DE RAINAGE DE MACHINE A EMBALLER
[72] PROVOOST, DAVID, BE
[72] DE DYCKER, HERMAN, BE
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[71] AVERCON BVBA, BE
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[54] COMPOSITIONS ET PROCEDES DE DETECTION DE MICROORGANISMES
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[13] A1

[25] EN
[54] CONDITIONED MEDIUM AND EXTRACELLULAR MATRIX COMPOSITIONS FROM CELLS CULTURED UNDER HYPOXIC CONDITIONS
[54] COMPOSITIONS A BASE DE MILIEU CONDITIONNE ET DE MATRICE EXTRACELLULAIRE A PARTIR DE CELLULES CULTIVEES DANS DES CONDITIONS HYPOXIQUES
[72] NAUGHTON, GAIL K., US
[72] ZEIGLER, FRANK, US
[72] BAUMGARTNER, MARK, US
[72] NICKEY, KYLE, US
[71] HISTOGEN, INC., US
[22] 2010-07-09
[41] 2011-01-13
[62] 2,767,600
[30] US (12/501,312) 2009-07-10
[30] US (12/509,171) 2009-07-24
[30] US (12/547,422) 2009-08-25
[30] US (12/632,721) 2009-12-07

[21] **3,152,420**
[13] A1

[51] Int.Cl. H04L 67/1095 (2022.01) H04W 4/18 (2009.01) H04N 21/432 (2011.01)
[25] EN
[54] SYSTEMS AND METHODS FOR MIRRORING AND TRANSCODING MEDIA CONTENT
[54]
[72] GRASSET, JEAN-FRANCOIS BENJAMIN, FR
[71] ROVI GUIDES, INC., US
[22] 2008-07-09
[41] 2009-01-15
[62] 3,061,817
[30] US (11/827,649) 2007-07-11

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<p>[21] 3,152,431 [13] A1</p> <p>[51] Int.Cl. A61M 27/00 (2006.01) A61M 1/00 (2006.01) A61M 25/04 (2006.01)</p> <p>[25] EN</p> <p>[54] URETERAL AND BLADDER CATHETERS AND METHODS FOR INDUCING NEGATIVE PRESSURE TO INCREASE RENAL PERfusion</p> <p>[54]</p> <p>[72] ERBEY, JOHN R., II, US</p> <p>[72] UPPERCO, JACOB L., US</p> <p>[72] FISHER, MICHAEL ALLEN, US</p> <p>[72] STRANE, PATRICK WILLIAM, US</p> <p>[72] BLACK, LANCE MICHAEL, US</p> <p>[71] ROIVIOS LIMITED, BS</p> <p>[22] 2016-07-20</p> <p>[41] 2017-01-26</p> <p>[62] 3,032,266</p> <p>[30] US (62/194,585) 2015-07-20</p> <p>[30] US (62/260,966) 2015-11-30</p> <p>[30] US (62/278,721) 2016-01-14</p> <p>[30] US (62/300,025) 2016-02-25</p>

<p>[21] 3,152,474 [13] A1</p> <p>[25] EN</p> <p>[54] ELECTRONICALLY CONTROLLABLE AND TESTABLE TURBINE TRIP SYSTEM AND METHOD WITH REDUNDANT BLEED MANIFOLDS</p> <p>[54] SYSTEME DE DECLENCHEMENT DE TURBINE A REGULATION ELECTRONIQUE POUVANT ETRE TESTE ET PROCEDE AVEC COLLECTEURS DE PURGE REDONDANTS</p> <p>[72] JACOBS, JAY MICHAEL, US</p> <p>[72] SWEENEY, THOMAS, US</p> <p>[72] BERKEPILE, DANIEL PHILIP, US</p> <p>[72] REDLING, ADAM GREGORY, US</p> <p>[72] WINWOOD, MICHAEL HENRY, US</p> <p>[71] EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC., US</p> <p>[22] 2013-06-06</p> <p>[41] 2013-12-08</p> <p>[62] 2,818,060</p> <p>[30] US (61/657,366) 2012-06-08</p>

<p>[21] 3,152,514 [13] A1</p> <p>[25] EN</p> <p>[54] AUGMENTED THREE DIMENSIONAL POINT COLLECTION OF VERTICAL STRUCTURES</p> <p>[54] COLLECTE DE POINT TRIDIMENSIONNEL AUGMENTEE DE STRUCTURES VERTICALES</p> <p>[72] SCHULTZ, STEPHEN L., US</p> <p>[72] NILOSEK, DAVID R., US</p> <p>[72] PETTERSON, DAVID S., US</p> <p>[72] HARRINGTON, TIMOTHY S., US</p> <p>[71] PICTOMETRY INTERNATIONAL CORP., US</p> <p>[22] 2015-01-30</p> <p>[41] 2015-08-06</p> <p>[62] 2,937,518</p> <p>[30] US (14/169,872) 2014-01-31</p>

<p>[21] 3,152,523 [13] A1</p> <p>[51] Int.Cl. A47C 3/04 (2006.01) A47C 1/124 (2006.01) A47C 4/06 (2006.01)</p> <p>[25] EN</p> <p>[54] STACKABLE CHAIR</p> <p>[54] CHAISE EMPILABLE</p> <p>[72] OLARTE, ALVARO MAURICIO, US</p> <p>[71] SERIES INTERNATIONAL, LLC, US</p> <p>[22] 2016-05-12</p> <p>[41] 2016-11-17</p> <p>[62] 2,985,802</p> <p>[30] US (14/711,409) 2015-05-13</p>
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<p>[21] 3,152,467 [13] A1</p> <p>[25] EN</p> <p>[54] MULTIPLEX MEASURE OF ISOTYPE ANTIGEN RESPONSE</p> <p>[54] MESURE MULTIPLEX DE REPONSE D'UN ANTIGENE ISOTYPIQUE</p> <p>[72] LEA, PETER, CA</p> <p>[71] SQI DIAGNOSTICS SYSTEMS INC., CA</p> <p>[22] 2013-03-08</p> <p>[41] 2014-09-08</p> <p>[62] 2,808,688</p>
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<p>[21] 3,152,470 [13] A1</p> <p>[25] EN</p> <p>[54] MULTIPLEX MEASURE OF ISOTYPE ANTIGEN RESPONSE</p> <p>[54]</p> <p>[72] LEA, PETER, CA</p> <p>[71] SQI DIAGNOSTICS SYSTEMS INC., CA</p> <p>[22] 2013-03-08</p> <p>[41] 2014-09-08</p> <p>[62] 2,808,688</p>

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

<p style="text-align: right;">[21] 3,152,533 [13] A1</p> <p>[51] Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6886 (2018.01)</p> <p>[25] EN</p> <p>[54] DIAGNOSTIC GENE MARKER PANEL FOR COLORECTAL CANCER</p> <p>[54] GROUPE DE MARQUEURS GENETIQUES DIAGNOSTIQUES DESTINE AU CANCER COLORECTAL</p> <p>[72] MOLLOY, PETER, AU</p> <p>[72] LAPOINTE, LAWRENCE, AU</p> <p>[72] PEDERSEN, SUSANNE, AU</p> <p>[71] CLINICAL GENOMICS PTY. LTD, AU</p> <p>[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU</p> <p>[22] 2013-05-10</p> <p>[41] 2013-11-14</p> <p>[62] 3,083,314</p> <p>[30] US (61/646,174) 2012-05-11</p>	<p style="text-align: right;">[21] 3,152,539 [13] A1</p> <p>[25] EN</p> <p>[54] PHAGE THERAPY OF E COLI INFECTIONS</p> <p>[54] PHAGOTHERAPIE DES INFECTIONS A E. COLI</p> <p>[72] POUILLOT, FLAVIE, FR</p> <p>[72] BLOIS, HELENE, FR</p> <p>[71] PHEREZYDES PHARMA, FR</p> <p>[22] 2015-01-09</p> <p>[41] 2015-07-16</p> <p>[62] 2,935,437</p> <p>[30] EP (14305041.7) 2014-01-10</p>	<p style="text-align: right;">[21] 3,152,560 [13] A1</p> <p>[51] Int.Cl. A23L 33/105 (2016.01) A23K 10/30 (2016.01) A23K 20/00 (2016.01) A23K 20/158 (2016.01) A23K 50/80 (2016.01) A23L 11/00 (2021.01) A23L 33/10 (2016.01) A23L 33/115 (2016.01) A23P 10/20 (2016.01) A23P 10/30 (2016.01) A23P 10/40 (2016.01) C12N 5/04 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS COMPRISING FABACEAE FAMILY PLANT COMPONENTS, PROCESSES OF PREPARATION AND USES THEREOF</p>
<p style="text-align: right;">[21] 3,152,535 [13] A1</p> <p>[25] EN</p> <p>[54] NANO-PCR: METHODS AND DEVICES FOR NUCLEIC ACID AMPLIFICATION AND DETECTION</p> <p>[54] AMPLIFICATION PAR LA POLYMERASE A L'ECHELLE NANOMETRIQUE: PROCEDES ET DISPOSITIFS POUR L'AMPLIFICATION ET LA DETECTION D'ACIDES NUCLEIQUES</p> <p>[72] GOEL, ANITA, US</p> <p>[71] NANOBIOSYM, INC., US</p> <p>[22] 2005-05-13</p> <p>[41] 2006-07-20</p> <p>[62] 2,566,538</p> <p>[30] US (60/570,907) 2004-05-13</p> <p>[30] US (60/616,793) 2004-10-06</p>	<p style="text-align: right;">[21] 3,152,546 [13] A1</p> <p>[25] EN</p> <p>[54] PHAGE THERAPY OF E COLI INFECTIONS</p> <p>[54] PHAGOTHERAPIE DES INFECTIONS A E. COLI</p> <p>[72] POUILLOT, FLAVIE, FR</p> <p>[72] BLOIS, HELENE, FR</p> <p>[71] PHEREZYDES PHARMA, FR</p> <p>[22] 2015-01-09</p> <p>[41] 2015-07-16</p> <p>[62] 2,935,437</p> <p>[30] EP (14305041.7) 2014-01-10</p>	<p style="text-align: right;">[21] 3,152,567 [13] A1</p> <p>[25] EN</p> <p>[54] COMPOSITIONS COMPRISING FABACEAE FAMILY PLANT COMPONENTS, PROCESSES OF PREPARATION AND USES THEREOF</p>
<p style="text-align: right;">[21] 3,152,557 [13] A1</p> <p>[25] EN</p> <p>[54] SOLID DISPERSIONS CONTAINING AN APOPTOSIS-INDUCING AGENT</p> <p>[54] DISPERSIONS SOLIDES CONTENANT UN AGENT INDUISANT L'APOPTOSE</p> <p>[72] CATRON, NATHANIEL D., US</p> <p>[72] LINDLEY, DAVID J., US</p> <p>[72] MILLER, JONATHAN, US</p> <p>[72] SCHMITT, ERIC A., US</p> <p>[72] TONG, PING, US</p> <p>[71] ABBVIE INC., US</p> <p>[22] 2011-10-27</p> <p>[41] 2012-05-03</p> <p>[62] 2,811,805</p> <p>[30] US (61/408,517) 2010-10-29</p>	<p style="text-align: right;">[21] 3,152,557 [13] A1</p> <p>[25] EN</p> <p>[54] COMPOSITIONS COMPRISING FABACEAE FAMILY PLANT COMPONENTS, PROCESSES OF PREPARATION AND USES THEREOF</p>	<p style="text-align: right;">[21] 3,152,567 [13] A1</p> <p>[25] EN</p> <p>[54] COMPOSITIONS COMPRENANT DES COMPOSANTS DE PLANTES DE LA FAMILLE DES FABACEAE, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS</p> <p>[72] LAVALLEE, PIERRE, CA</p> <p>[72] DESGAGNES, REJEAN, CA</p> <p>[72] CAMBRON-FORTIN, LAURENCE, CA</p> <p>[72] VEZINA, LOUIS-PHILIPPE, CA</p> <p>[72] TALBOT, PIERRE, CA</p> <p>[71] VIRENTIA INNOVATION INC., CA</p> <p>[22] 2020-04-16</p> <p>[41] 2020-10-22</p> <p>[62] 3,098,200</p> <p>[30] US (62/835,156) 2019-04-17</p>

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[21] 3,152,575
[13] A1

- [51] Int.Cl. A61K 36/48 (2006.01) A01N 65/20 (2009.01) A01N 37/36 (2006.01) A01N 43/04 (2006.01) A01P 7/04 (2006.01) A61K 31/575 (2006.01) A61K 31/704 (2006.01)
- [25] EN
- [54] **COMPOSITIONS COMPRISING FABACEAE FAMILY PLANT COMPONENTS, PROCESSES OF PREPARATION AND USES THEREOF**
- [54]
[72] LAVALLEE, PIERRE, CA
[72] DESGAGNES, REJEAN, CA
[72] CAMBRON-FORTIN, LAURENCE, CA
[72] VEZINA, LOUIS-PHILIPPE, CA
[72] TALBOT, PIERRE, CA
[71] VIRENTIA INNOVATION INC., CA
[22] 2020-04-16
[41] 2020-10-22
[62] 3,098,200
[30] US (62/835,156) 2019-04-17
-

[21] 3,152,576
[13] A1

- [25] EN
- [54] **COMPACT MULTI-MATERIAL CUT-OFF TOOL**
- [54] **OUTIL COMPACT A TRONCONNER DIVERS MATERIAUX**
- [72] MCCURRY, RONALD C., US
[72] GATHERS, ADAM, US
[72] MERTEL, BRIAN D., US
[72] JACOWAY, M. GRAYSON, US
[72] HICKS, BRANDON, L., US
[72] JERABEK, JESSE J., US
[72] NORTON, NICHOLAS S., US
[72] YEOMANS, KYLE B., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2021-04-23
[41] 2021-07-05
[62] 3,116,050
[30] US (16/858,973) 2020-04-27
-

[21] 3,152,580
[13] A1

- [25] EN
- [54] **SYSTEMS, METHODS, AND APPARATUSES FOR ENGAGING AND TRANSPORTING OBJECTS**
- [54] **SYSTEMES, METHODES ET APPAREILS POUR PRENDRE ET TRANSPORTER DES OBJETS**
- [72] WOODROUGH, STEPHENS B., US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[22] 2019-07-17
[41] 2020-02-13
[62] 3,050,068
[30] US (16/102,060) 2018-08-13
-

[21] 3,152,581
[13] A1

- [51] Int.Cl. A23K 10/30 (2016.01) A23K 10/10 (2016.01) A23K 10/12 (2016.01) A23K 30/15 (2016.01) A23K 40/00 (2016.01) B01D 11/02 (2006.01)
- [25] EN
- [54] **COMPOSITIONS COMPRISING FABACEAE FAMILY PLANT COMPONENTS, PROCESSES OF PREPARATION AND USES THEREOF**
- [54]
[72] LAVALLEE, PIERRE, CA
[72] DESGAGNES, REJEAN, CA
[72] CAMBRON-FORTIN, LAURENCE, CA
[72] VEZINA, LOUIS-PHILIPPE, CA
[72] TALBOT, PIERRE, CA
[71] VIRENTIA INNOVATION INC., CA
[22] 2020-04-16
[41] 2020-10-22
[62] 3,098,200
[30] US (62/835,156) 2019-04-17
-

[21] 3,152,584
[13] A1

- [25] EN
- [54] **TREATMENT FOR FIBROSIS**
- [54]
[72] HAYARDENY-NISSIONOIV, LIAT, IL
[72] GORFINE, TALI, IL
[72] BAHARAFF, ALLEN, IL
[72] MATO DE LA PAZ, JOSE M., ES
[71] GALMED RESEARCH AND DEVELOPMENT LTD., IL
[22] 2017-11-10
[41] 2018-05-17
[62] 3,043,284
[30] US (62/420,012) 2016-11-10
[30] US (62/420,017) 2016-11-10
[30] US (62/420,009) 2016-11-10
[30] US (62/475,129) 2017-03-22
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[21] 3,152,591
[13] A1

- [51] Int.Cl. C12Q 1/6804 (2018.01) C12Q 1/68 (2018.01)
- [25] EN
- [54] **LUNG CANCER BIOMARKERS AND USES THEREOF**
- [54]
[72] GOLD, LARRY, US
[72] STANTON, MARTY, US
[72] BRODY, EDWARD N., US
[72] OSTROFF, RACHEL M., US
[72] ZICHI, DOMINIC, US
[72] STEWART, ALEX A. E., US
[71] SOMALOGIC OPERATING CO., INC., US
[22] 2009-09-09
[41] 2010-03-18
[62] 3,011,730
[30] US (61/095,593) 2008-09-09
[30] US (61/152,837) 2009-02-16
-

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demandes mises à la disponibilité du public non disponibles auparavant**

<p style="text-align: right;">[21] 3,152,675 [13] A1</p> <p>[25] EN [54] CROP DISEASE RECOGNITION AND YIELD ESTIMATION [54] RECONNAISSANCE DE MALADIES DE CULTURES ET ESTIMATION DE RENDEMENT [72] BEDOYA, JAUN PABLO, US [72] STUBER, VICTOR, US [72] GUILMETTE, GERARD, US [72] KEMINK, JOOST, US [72] CHEN, YAQI, US [72] WILLIAMS, DANIEL, US [72] SHE, YING, US [72] FARAH, MARIAN, US [72] BOSHARD, JULIAN, US [72] GUAN, WEI, US [71] CLIMATE LLC, US [22] 2018-08-27 [41] 2019-03-07 [62] 3,074,217 [30] US (15/688,567) 2017-08-28</p>	<p style="text-align: right;">[21] 3,152,686 [13] A1</p> <p>[25] EN [54] USER-DEFINED ALGORITHM ELECTRONIC TRADING [54] ALGORITHME DEFINI PAR L'UTILISATEUR POUR LA BOURSE EN LIGNE [72] LANE, RICHARD, US [72] UNETICH, MICHAEL, US [72] LIDOR, DANIEL, US [72] EDWARDS, NATHAN, US [71] TRADING TECHNOLOGIES INTERNATIONAL, INC., US [22] 2010-10-19 [41] 2011-04-28 [62] 2,774,398 [30] US (61/253,324) 2009-10-20 [30] US (61/253,315) 2009-10-20 [30] US (61/263,300) 2009-11-20 [30] US (61/312,003) 2010-03-09 [30] US (61/318,685) 2010-03-29 [30] US (61/320,061) 2010-04-01 [30] US (61/393,313) 2010-10-14 [30] US (12/905,726) 2010-10-15 [30] US (12/905,709) 2010-10-15</p>	<p style="text-align: right;">[21] 3,152,708 [13] A1</p> <p>[51] Int.Cl. B65G 1/137 (2006.01) B07C 5/34 (2006.01) B07C 5/36 (2006.01) B65G 47/96 (2006.01) [25] EN [54] SYSTEMS AND METHODS FOR PROCESSING OBJECTS INCLUDING SPACE EFFICIENT DISTRIBUTION STATIONS AND AUTOMATED OUTPUT PROCESSING [54] [72] WAGNER, THOMAS, US [72] AHEARN, KEVIN, US [72] AMEND, JOHN RICHARD, JR., US [72] COHEN, BENJAMIN, US [72] DAWSON-HAGGERTY, MICHAEL, US [72] FORT, WILLIAM HARTMAN, US [72] GEYER, CHRISTOPHER, US [72] HINCHEY, VICTORIA, US [72] KING, JENNIFER EILEEN, US [72] KOLETSCHKA, THOMAS, US [72] KOVAL, MICHAEL CAP, US [72] MARONEY, KYLE, US [72] MASON, MATTHEW T., US [72] MCMAHAN, WILLIAM CHU-HYON, US [72] PRICE, GENE TEMPLE, US [72] ROMANO, JOSEPH, US [72] SMITH, DANIEL, US [72] SRINIVASA, SIDDHARTHA, US [72] VELAGAPUDI, PRASANNA, US [72] ALLEN, THOMAS, US [71] BERKSHIRE GREY OPERATING COMPANY, INC., US [22] 2018-04-18 [41] 2018-10-25 [62] 3,060,257 [30] US (62/486,783) 2017-04-18</p>
<p style="text-align: right;">[21] 3,152,678 [13] A1</p> <p>[25] EN [54] TRANSMITTER AND METHOD FOR GENERATING ADDITIONAL PARITY THEREOF [54] EMETTEUR ET PROCEDE POUR GENERER UNE PARITE ADDITIONNELLE POUR CELUI-CI [72] JEONG, HONG-SIL, KR [72] KIM, KYUNG-JOONG, KR [72] MYUNG, SE-HO, KR [71] SAMSUNG ELECTRONICS CO., LTD., KR [22] 2016-02-25 [41] 2016-09-01 [62] 3,058,419 [30] US (62/120,564) 2015-02-25 [30] KR (10-2015-0137179) 2015-09-27</p>	<p style="text-align: right;">[21] 3,152,689 [13] A1</p> <p>[25] EN [54] 2-SHOT MOLDED VAPOR SEAL [54] PAROI ETANCHE MOULEE EN DEUX ETAPES [72] HUGHEY, STEVEN, US [72] WALK, ZACKERY, US [71] ALLIED MOULDED PRODUCTS, INC., US [22] 2019-12-31 [41] 2020-07-04 [62] 3,066,373 [30] US (62/788,178) 2019-01-04 [30] US (16/729,975) 2019-12-30</p>	<p style="text-align: right;">[21] 3,152,699 [13] A1</p> <p>[51] Int.Cl. A61K 38/22 (2006.01) A61P 13/12 (2006.01) [25] EN [54] METHODS FOR TREATMENT OF NEPHROTIC SYNDROME AND RELATED CONDITIONS [54] [72] CHUGH, SUMANT S., US [71] CHUGH, SUMANT S., US [22] 2014-03-15 [41] 2014-09-18 [62] 2,906,982 [30] US (13/841,240) 2013-03-15</p>

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[21] 3,152,721 [13] A1
[51] Int.Cl. A61K 38/17 (2006.01) A61K 31/7105 (2006.01) A61P 35/00 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01) C12N 15/87 (2006.01)
[25] EN
[54] THERAPEUTIC COMPOSITIONS AND METHODS INVOLVING mRNA TRANSFECTION
[54] COMPOSITIONS ET PROCEDES THERAPEUTIQUES IMPLIQUANT LA TRANSFECTION D'ARNM
[72] HERZBERG, MARK C., US
[72] ROSS, KAREN FARNIE, US
[72] SORENSEN, BRENT S., US
[71] HERZBERG, MARK C., US
[71] ROSS, KAREN FARNIE, US
[71] SORENSEN, BRENT S., US
[22] 2014-01-10
[41] 2014-07-17
[62] 2,901,409
[30] US (61/751,504) 2013-01-11

[21] 3,152,725 [13] A1
[51] Int.Cl. A61G 7/10 (2006.01) A61G 1/01 (2006.01) A61G 7/07 (2006.01)
[25] EN
[54] APPARATUS AND SYSTEM FOR TURNING AND POSITIONING A PATIENT
[54] APPAREIL ET SYSTEME PERMETTANT DE TOURNER ET DE POSITIONNER UN PATIENT
[72] FOWLER, PAUL M., US
[72] GOLDEN, CRAIG S., US
[71] SAGE PRODUCTS, LLC, US
[22] 2014-11-26
[41] 2015-05-27
[62] 2,872,583
[30] US (61/909,654) 2013-11-27

[21] 3,152,736 [13] A1
[25] EN
[54] GANFET AS ENERGY STORE FOR FAST LASER PULSER
[54] GANFET EN TANT QUE STOCKAGE D'ENERGIE DESTINE A UN GENERATEUR D'IMPROLUSIONS LASER RAPIDE
[72] GASSEND, BLAISE, US
[72] DROZ, PIERRE-YVES, US
[71] WAYMO LLC, US
[22] 2017-10-13
[41] 2018-04-19
[62] 3,040,184
[30] US (15/294,172) 2016-10-14

[21] 3,152,741 [13] A1
[51] Int.Cl. A61G 3/08 (2006.01) A61G 3/00 (2006.01)
[25] EN
[54] COT FASTENING SYSTEM HAVING A CRASH STABLE, COT FASTENER TRACK AND METHOD OF AFFIXING AN EMERGENCY COT THERETO
[54] SYSTEME DE FIXATION DE CIVIERE COMPORANT UN ENSEMBLE RAILS DE FIXATION DE CIVIERE ANTI-ACCIDENT ET PROCEDE DE FIXATION D'UNE CIVIERE DE SECOURS SUR CELUI-CI
[72] VALENTINO, NICHOLAS V., US
[72] WELLS, TIMOTHY R., US
[72] WAY, CHRISTOPHER, US
[72] CAMBRIDGE, ALAN RAYMOND, AU
[72] BROADLEY, GAVIN LEE, AU
[71] FERNO-WASHINGTON, INC., US
[22] 2015-08-19
[41] 2016-02-25
[62] 2,956,815
[30] US (62/039,005) 2014-08-19
[30] US (62/115,847) 2015-02-13

[21] 3,152,747 [13] A1
[51] Int.Cl. A61M 5/42 (2006.01)
[25] EN
[54] SYSTEMS, APPARATUSES AND METHODS TO ENCOURAGE INJECTION SITE ROTATION AND PREVENT LIPODYSTROPHY FROM REPEATED INJECTIONS TO A BODY AREA
[54] SYSTEMES, APPAREILS ET PROCEDES POUR ENCOURAGER LA ROTATION D'UN SITE D'INJECTION ET PREVENIR LA LIPODYSTROPHIE DUE A DES INJECTIONS REPETEES DANS UNE ZONE DU CORPS
[72] FIEDLER, ALAN, US
[72] WEST, ROBERT, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2014-12-03
[41] 2015-06-11
[62] 2,930,878
[30] US (61/911,850) 2013-12-04

[21] 3,152,773 [13] A1
[25] EN
[54] UTILITY VEHICLE
[54] VEHICULE UTILITAIRE
[72] HICKE, DAVID, US
[72] SCHLANGEN, ADAM J., US
[72] NUGTEREN, DANIEL J., US
[72] BJERKETVEDT, ERIC D., US
[72] RIPLEY, ANTHONY J., US
[72] JENNI, HANS-RUDOLF, CH
[72] LAFATA, JOHN, US
[72] HURD, CHRISTOPHER J., US
[72] JAEGER, RICKY G., US
[72] DECKARD, AARON D., US
[72] WENGER, URS, CH
[72] SCHLEIF, ANDREW C., US
[72] NELSON, STEPHEN L., US
[71] POLARIS INDUSTRIES, INC., US
[22] 2015-11-18
[41] 2016-06-23
[62] 3,079,601
[30] US (14/577,908) 2014-12-19
[30] US (14/577,902) 2014-12-19
[30] US (14/577,916) 2014-12-19

[21] 3,152,783 [13] A1
[25] EN
[54] SYSTEM AND METHOD OF DIRECTIONAL SENSOR CALIBRATION
[54] SYSTEME ET PROCEDE D'ETALONNAGE DE CAPTEUR DIRECTIONNEL
[72] WU, JIAN-QUN, US
[72] ANG, JAMES-CHRISTIAN F., US
[72] ROITBERG, LEE JACOBO JOSE, US
[71] BENCH TREE GROUP, LLC, US
[22] 2014-12-16
[41] 2015-06-25
[62] 2,934,516
[30] US (61/917,855) 2013-12-18

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demandes mises à la disponibilité du public non disponibles auparavant**

<p style="text-align: right;">[21] 3,152,828 [13] A1</p> <p>[51] Int.Cl. C07H 15/256 (2006.01) A23L 27/30 (2016.01)</p> <p>[25] EN</p> <p>[54] METHODS FOR PURIFYING STEVIOL GLYCOSIDES AND USES OF THE SAME</p> <p>[54] PROCEDES DE PURIFICATION DE STEVIOL GLYCOSIDES ET UTILISATIONS DE CEUX-CI</p> <p>[72] CAMPBELL, MARY, US</p> <p>[72] JOHNSON, MARQUITA, US</p> <p>[72] MARKOSYAN, AVETIK, MY</p> <p>[72] PRAKASH, INDRA, MY</p> <p>[72] PURKAYASTHA, SIDDHARTHA, US</p> <p>[72] SAN MIGUEL, RAFAEL, US</p> <p>[72] CHATURVEDULA, VENKATA SAI P., US</p> <p>[71] THE COCA-COLA COMPANY, US</p> <p>[71] PURECIRCLE SDN BHD, MY</p> <p>[22] 2012-12-19</p> <p>[41] 2013-06-27</p> <p>[62] 2,859,681</p> <p>[30] US (61/577,202) 2011-12-19</p> <p>[30] US (61/651,099) 2012-05-24</p>	<p style="text-align: right;">[21] 3,152,852 [13] A1</p> <p>[25] EN</p> <p>[54] TRANSACTIONAL CONVERSATION-BASED COMPUTING SYSTEM</p> <p>[54] SYSTEME INFORMATIQUE FONDE SUR UNE CONVERSATION TRANSACTIONNELLE</p> <p>[72] CHINNANANCHI, MURUGANANTHAM, US</p> <p>[72] FORTSON, MICHAEL, US</p> <p>[72] FROGNER, SEAN, US</p> <p>[72] RIZVI, HASAN, US</p> <p>[72] YASEEN, RAHIM, US</p> <p>[72] ZHANG, XIAOMEI, US</p> <p>[71] SERVICENOW, INC., US</p> <p>[22] 2017-09-29</p> <p>[41] 2018-11-23</p> <p>[62] 2,980,907</p> <p>[30] US (62/510,149) 2017-05-23</p> <p>[30] US (15/717,787) 2017-09-27</p>	<p style="text-align: right;">[21] 3,152,894 [13] A1</p> <p>[25] EN</p> <p>[54] ADVANCED STEREO CODING BASED ON A COMBINATION OF ADAPTIVELY SELECTABLE LEFT/RIGHT OR MID/SIDE STEREO CODING AND OF PARAMETRIC STEREO CODING</p> <p>[54] CODAGE STEREO AVANCE BASE SUR UNE COMBINAISON D'UN CODAGE STEREO GAUCHE/DROIT OU MILIEU/COTE SELECTIONNABLE DE FACON ADAPTATIVE ET D'UN CODAGE STEREO PARAMETRIQUE</p> <p>[72] CARLSSON, PONTUS, SE</p> <p>[72] KJORLING, KRISTOFER, SE</p> <p>[72] PURNHAGEN, HEIKO, SE</p> <p>[71] DOLBY INTERNATIONAL AB, NL</p> <p>[22] 2010-03-05</p> <p>[41] 2010-09-23</p> <p>[62] 3,093,218</p> <p>[30] US (61/160707) 2009-03-17</p> <p>[30] US (61/219484) 2009-06-23</p>
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[21] **3,153,092**

[13] A1

[51] Int.Cl. A24F 40/65 (2020.01) A24F 40/40 (2020.01) A24F 40/50 (2020.01) A24F 40/51 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)
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[72] OLDBURY, ROSS, GB
[71] NICVENTURES TRADING LIMITED, GB
[22] 2016-09-08
[41] 2017-04-06
[62] 2,998,563
[30] GB (1517088.9) 2015-09-28

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[13] A1

[51] Int.Cl. B64G 1/66 (2006.01)
[25] EN
[54] SAMPLING METHOD AND SAMPLING SYSTEM
[54] PROCEDE D'ECHANTILLONNAGE ET SYSTEME D'ECHANTILLONNAGE
[72] SAKAMOTO, FUMINOBU, JP
[72] KUROSE, TOYOTOSHI, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[22] 2019-05-08
[41] 2019-11-14
[62] 3,097,102
[30] US (62/668,989) 2018-05-09

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[13] A1

[51] Int.Cl. B29B 17/00 (2006.01)
[25] EN
[54] PROCESSES FOR RECYCLING POLYSTYRENE WASTE AND/OR POLYSTYRENE COPOLYMER WASTE
[54] PROCEDES DE RECYCLAGE DE DECHETS DE POLYSTYRENE ET/OU DE DECHETS DE COPOLYMER DE POLYSTYRENE
[72] COTE, ROLAND, CA
[71] POLYSTYVERT INC., CA
[22] 2019-10-25
[41] 2020-04-30
[62] 3,107,976
[30] US (62/751,037) 2018-10-26
[30] US (62/760,532) 2018-11-13

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[13] A1

[25] EN
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[54] LOGIQUE DE BULLE POUR COMMANDER UN VEHICULE DE MANEGE
[72] BOSHEARS, MICHAEL WAYNE, US
[72] ETTA, LAUREN MARIE, US
[71] OCEANEERING INTERNATIONAL, INC., US
[22] 2016-03-04
[41] 2016-09-15
[62] 2,982,314
[30] US (62/129,725) 2015-03-06

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PHERECDYSES PHARMA	3,152,546	TAVARES, FRANCIS XAVIER		
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ROUSH, LUKAS MILLER	3,152,896	VIRENTIA INNOVATION INC.		
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SAGE PRODUCTS, LLC	3,152,725	WALK, ZACKERY		
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