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

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

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

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 \$
b) pour chaque demande de brevet ou brevet visé par la demande	10 \$
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 \$
d) pour chaque tranche de 10 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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

4. Taxe pour paiement tardif

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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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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2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
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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

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3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC

Avis

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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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 MailTM and XpresspostTM 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 discrédition du requérant :

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

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

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

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

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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.

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

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

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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 January 11, 2022 contains applications open to public inspection from December 26, 2021 to January 1, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 11 janvier 2022 contient les demandes disponibles au public pour consultation pour la période du 26 décembre 2021 au 1 janvier 2022.

16. Erratum

All information respecting patent application number 3,142,455 referred to under the section *PCT Applications Entering the National Phase* contained in the Vol. 150 No. 1 January 4, 2022 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3, 142, 455 dans la liste des Demandes PCT entrant en phase nationale contenues dans le Vol. 150 n° 1 du 4 janvier 2022 de la Gazette du Bureau des brevets ont été publiées par erreur et doivent être ignorées.

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[54] PROCEDE DE CIBLAGE DE POPULATIONS CELLULAIRES SPECIFIQUES A L'AIDE DE CONJUGUES FORMES D'UN AGENT DE LIAISON CELLULAIRE ET DE MAYTANSINOIDES, LIES PAR L'INTERMEDIAIRE D'UN LIEUR NON CLIVABLE, LESDITS CONJUGUES ET LEURS PROCEDES DE PREPARATION

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[72] GILSON, ROSS, US
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 - [54] LIGNEE DE MAIS DE VARIETE AF3605
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 - [54] LIGNEE DE MAIS DE VARIETE IQ1883
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[73] BAYER CROPSCIENCE INC., CA
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[54] PROCEDE CHIMIQUE POUR LA PREPARATION DE SPIROINDOLONES ET INTERMEDIAIRES CORRESPONDANTS
[72] CROWE, MICHAEL, SG
[72] FOULKES, MICHAEL, CH
[72] FRANCESE, GIANCARLO, CH
[72] GRIMLER, DOMINIQUE, CH
[72] KUESTERS, ERNST, CH
[72] LAUMEN, KURT, CH
[72] LI, YUNZHONG, CN
[72] LIN, CHANGXUE, CN
[72] NAZOR, JOVANA, US
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[73] SAIPEM S.P.A., IT
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 - [73] EIKJE, NATALJA, NO
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 - [72] MELKUMYAN, ARMAN, AU
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- [72] ARBELECHE, MATIAS, CA
- [72] DEMERS, JEAN-CHRISTOPHE, CA
- [72] LAMBERT, GUILLAUME, CA
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[72] ESPINOSA SANCHEZ, MARTIN, ES
[72] VERDUGO DEL COTO, ANTONIO,
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[73] AIRBUS MILITARY, ES
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HAVING A LOW-PROFILE REAR
VENT TRIM
[54] APPAREIL DE CUISSON
DOMESTIQUE DOTE D'UNE
GARNITURE D'EVENT ARRIERE
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[72] DYSINGER, DAVID, US
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[73] BSH HOME APPLIANCES
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SYSTEMS FOR ACQUIRING
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INFORMATION AND PROVISION
OF TELEHEALTH SERVICES
[54] DISPOSITIFS, PROCEDES ET
SYSTEMES SERVANT A
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[54] DISPOSITIF D'AILETTE POUR LA
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[72] SHERMAN, ANDREW EDMUND, US
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 - [54] CATALYSEURS DE CRAQUAGE A ULTRA FAIBLE TENEUR EN SOUDE, STABILISES PAR DU MAGNEZIUM
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 - [72] CASSAYRE, JEROME YVES, CH
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 - [73] SYNGENTA PARTICIPATIONS AG, CH
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 - [54] METHODES DE TRAITEMENT D'UNE DERMATITE ATOPIQUE PAR L'ADMINISTRATION D'UN ANTAGONISTE D'IL-4R
 - [72] ARDELEANU, MARIUS, US
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 - [72] HAMILTON, JENNIFER D., US
 - [72] KIRKESSELI, STEPHANE C., FR
 - [72] KUNDU, SUDEEP, US
 - [72] MING, JEFFREY, US
 - [72] RADIN, ALLEN, US
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 - [54] SYNTHESE DE NANOParticule A L'AIDE D'EXTRAITS VEGETAUX ET DE VIRUS
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 - [72] TALIANSKI, MIKHAIL EMMANUILOVICH, GB
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 - [54] GRANULES DE FARINE DE MICROALGUES ET PROCEDE DE PREPARATION DE CEUX-CI
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 - [72] PASSE, DAMIEN, FR
 - [72] PATINIER, SAMUEL, FR
 - [72] GUILLEMANT, MARILYNE, FR
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- [73] MEDIMMUNE LIMITED, GB
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- [54] SUBSTRAT NANOPOREUX A LIBERATION DE RECONNAISSANCE COMPRENANT DES AGENTS ACTIFS, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS
- [72] WILLNER, ITAMAR, IL
- [72] ZHANXIA, ZHANG, IL
- [72] BALOGH, DORA, IL
- [73] TRIOXNANO LTD COMPANY, IL
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- [54] PROCEDES DE FABRICATION D'UN DISPOSITIF SUPRACONDUCTEUR A AU MOINS UNE ENCEINTE
- [72] SCHOELKOPF, ROBERT JOHN, III, US
- [72] BRECHT, TERESA, US
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- [73] YALE UNIVERSITY, US
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[54] SYSTEMES, PROCEDES ET APPAREILS POUR ATTESTER UN DISPOSITIF SUR LA BASE DE LA VITESSE DE CALCUL
[72] IGNATCHENKO, SERGEY, LI
[73] OLOGN TECHNOLOGIES AG, LI
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[54] PROCEDES, SYSTEMES ET PRODUITS PROGRAMMES D'ORDINATEUR PERMETTANT DE DETERMINER DE MANIERE NON INVASIVE LA DISTRIBUTION DU FLUX SANGUIN A L'AIDE DE TECHNIQUES D'IMAGERIE PAR TAVEL URES ET PAR MODELISATION HEMODYNAMIQUE
[72] FERGUSON, THOMAS BRUCE, JR., US
[72] HU, XIN-HUA, US
[72] CHEN, CHENG, US
[73] EAST CAROLINA UNIVERSITY, US
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[54] PROCEDES, SYSTEMES ET DISPOSITIFS ASSOCIES A DES DISPOSITIFS CHIRURGICAUX ROBOTIQUES, DES EFFECTEURS FINAUX ET DES UNITES DE COMMANDE
[72] FARRITOR, SHANE, US
[72] FREDERICK, THOMAS, US
[72] BARTELS, JOE, US
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[54] RENFORCEMENT DES COMPOSITIONS DE FIBRES, RENFORCEMENT DES COMPOSITIONS DE CIMENT CONTENANT DES FIBRES, ET LEURS PROCEDES
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[72] LOVETT, CHRISTOPHER P., US
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[72] BIDDLE, DANIEL T., US
[73] FORTA, LLC, US
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[72] DEMARES, DIEGO OMAR, AR
[72] OLIVIERI, FLORENCE, AR
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 - [54] CISAILLE DE DEMOLITION ET CONFIGURATION D'INSERTION DE POINTE DE PERCAGE ET DE NEZ DE CISAILLE DE DEMOLITION
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 - [72] RAIHALA, DANIEL J., US
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 - [72] LOGHIN, NABIL SVEN, DE
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 - [72] STADELMEIER, LOTHAR, DE
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 - [72] REDDY, RAJU, US
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 - [54] PROCEDE DE SECHAGE DE BIOMOLECULES EN VUE D'UN STOCKAGE A LONG TERME
 - [72] PIERIK, ANKE, NL
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 - [72] VAN ZELST, MARTIJN, NL
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- [54] TRAITEMENTS TOPIQUES AUX IONS DE CUIVRE DANS LES ZONES DERMATOLOGIQUES DU CORPS
- [72] ABBOTT, CHUN LIM, US
- [72] ABBOTT, DOMINIC C., US
- [73] CDA RESEARCH GROUP, INC., US
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- [54] DECOMPOSITION CATALYTIQUE D'HYDROCARBURES INFÉRIEURS AFIN DE PRODUIRE DES OXYDES DE CARBONE EXEMPTS D'HYDROGÈNE ET NANOTUBES DE CARBONE EN FORME DE BAMBOU
- [72] PANT, KAMAL KISHORE, IN
- [72] SARASWAT, SUSHIL KUMAR, IN
- [72] TOMPALA, ANNAJI RAJIV KUMAR, IN
- [72] RAMESH, KANAPARTHI, IN
- [72] PEDDY, VENKATA CHALAPATHI RAO, IN
- [72] NETTEM, VENKATESWARLU CHOUDARY, IN
- [72] GANDHAM, SRI GANESH, IN
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- [73] INDIAN INSTITUTE OF TECHNOLOGY, DELHI, IN
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 - [54] ENSEMBLE DE PLAQUES OU DE PIÈCES OBTENUES PAR DECOUPE D'UN BLOC EN MATERIAU METALLIQUE OU COMPOSÉE.
 - [72] DE PONNAT, ARNAUD, FR
 - [72] BONNET, CEDRIC, FR
 - [72] MARTIN, OLIVIER, FR
 - [73] MECACHROME FRANCE, FR
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 - [54] SYSTEME DE STOCKAGE D'ÉNERGIE
 - [72] BISSELL, ANDREW JOHN, GB
 - [72] GATAORA, SANTOKH SINGH, GB
 - [73] SUNAMP LIMITED, GB
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- [73] COVIDIEN LP, US
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AND METHODS
[54] SYSTEMES ET PROCEDES DE
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[54] METHOD FOR PRODUCING 2,3,5-
TRIMETHYL BENZOQUINONE
BY OXIDATION OF 2,3,6-
TRIMETHYLPHENOL
[54] PROCEDE DE PRODUCTION DE
2,3,5-
TRIMETHYLBENZOQUINONE
PAR OXYDATION DE 2,3,6-
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[72] DANZ, MANUEL, DE
[72] TELES, JOAQUIM HENRIQUE, DE
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AND FILMS
[54] PROCEDES AMELIORES DANS
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[72] KIMES, PRISCILA F., PH
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VEHICLES FOR DUAL AGENT
DELIVERY
[54] NANOPARTICULES A BASE DE
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AGENT
[72] PURI, ANU, US
[72] BLUMENTHAL, ROBERT P., US
[72] JOSHI, AMIT, US
[72] TATA, DARAYASH B., US
[72] VIARD, MATHIAS, US
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 - [25] EN
 - [54] CHECK VALVE WITH AN INERTIAL MASS FOR PROGRESSIVE CAVITY PUMPS
 - [54] CLAPET DE RETENUE A MASSE INERTIELLE POUR POMPES A CAVITES PROGRESSIVES
 - [72] LADRON DE GUEVARA, ALEJANDRO, CO
 - [73] SERINPET LTDA. REPRESENTACIONES Y SERVICIOS DE PETROLEOS, CO
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 - [86] 2014-11-19 (PCT/IB2014/066144)
 - [87] (WO2015/075636)
 - [30] CO (13271804) 2013-11-19
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 - [25] EN
 - [54] METALLURGICAL FURNACE
 - [54] FOUR METALLURGIQUE
 - [72] FERREIRA FILHO, HERMES JOAQUIM, BR
 - [72] LOVATI, KLEITON GONCALVES, BR
 - [73] TECNORED DESENVOLVIMENTO TECNOLOGICO S.A., BR
 - [85] 2016-06-23
 - [86] 2014-12-22 (PCT/BR2014/050053)
 - [87] (WO2015/095946)
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 - [25] EN
 - [54] AN INCISING IMPLANT FOR THE PROSTATIC URETHRA
 - [54] IMPLANT D'INCISION POUR L'URETRE PROSTATIQUE
 - [72] KILEMNIK, IDO, IL
 - [73] MEDI-TATE LTD., IL
 - [85] 2016-06-27
 - [86] 2014-12-02 (PCT/IL2014/051045)
 - [87] (WO2015/101975)
 - [30] US (61/921,590) 2013-12-30
 - [30] US (62/077,331) 2014-11-10
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- [51] Int.Cl. B29C 39/12 (2006.01)
 - [25] EN
 - [54] SINGLE-PASS PROCESS FOR FORMING A MULTILAYERED SHAPED FILM PRODUCT
 - [54] PROCEDE EN UNE SEULE PASSE POUR LA FORMATION D'UN PRODUIT SOUS FORME DE FILM MIS EN FORME MULTICOUCHE
 - [72] BINNER, CURT, US
 - [72] PELLEY, KENNETH A., US
 - [73] JOHNSON & JOHNSON CONSUMER, INC., US
 - [85] 2016-06-27
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 - [25] EN
 - [54] POLYMER COMPOSITIONS CONTAINING ALIPHATIC ESTERS AS PLASTICISERS
 - [54] COMPOSITIONS POLYMERES CONTENANT DES ESTERS ALIPHATIQUES EN TANT QUE PLASTIFIANTS
 - [72] BASTIOLI, CATIA, IT
 - [72] CAPUZZI, LUIGI, IT
 - [72] DIGIOIA, FRANCESCA, IT
 - [72] MARINI, NICOLA, IT
 - [73] NOVAMONT S.P.A., IT
 - [85] 2016-06-28
 - [86] 2015-01-09 (PCT/EP2015/050336)
 - [87] (WO2015/104375)
 - [30] IT (MI2014A000030) 2014-01-13
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- [25] FR
- [54] METHOD AND COMPUTER PROGRAM FOR THE MONITORING OF A THRUST REVERSE HAVING HYDRAULIC ACTUATORS
- [54] PROCEDE ET PROGRAMME D'ORDINATEUR POUR LA SURVEILLANCE D'UN INVERSEUR DE POUSSÉE A ACTIONNEURS HYDRAULIQUES
- [72] COUPARD, JOSSELIN, FR
- [72] TRAN, HANG-MI, FR
- [73] SNECMA, FR
- [85] 2016-07-04
- [86] 2014-12-24 (PCT/FR2014/053556)
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 - [25] EN
 - [54] STERILIZATION OF TOPICAL ANTISEPTIC SOLUTIONS
 - [54] STERILISATION DE SOLUTIONS ANTISEPTIQUES TOPIQUES
 - [72] DEGALA, SATISH, US
 - [72] MCGINLEY, CHRISTOPHER MATTHEW, US
 - [72] THURMOND, KENNETH BRUCE, US
 - [73] CAREFUSION 2200, INC., US
 - [85] 2016-07-05
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 - [87] (WO2015/105864)
 - [30] US (14/150,488) 2014-01-08
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 - [54] SYSTEME ET PROCEDE DE MELANGE MAGNETIQUE
 - [72] SHOR, RICHARD J., US
 - [72] BALLEW, CHRIS A., US
 - [73] SANI-TECH WEST, INC., US
 - [85] 2016-07-20
 - [86] 2015-03-17 (PCT/US2015/021112)
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 - [30] US (61/954,465) 2014-03-17
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 - [25] EN
 - [54] QUENCHED GRANULAR ABSORBENT AND SYSTEM AND METHOD FOR MAKING QUENCHED GRANULAR ABSORBENT
 - [54] ABSORBANT GRANULAIRE TREMPE ET SYSTEME ET PROCEDE DE FABRICATION D'ABSORBANT GRANULAIRE TREMPE
 - [72] LIPSCOMB, JOHN M., US
 - [73] PIONEER PET PRODUCTS, LLC, US
 - [85] 2016-07-25
 - [86] 2015-01-26 (PCT/US2015/012969)
 - [87] (WO2015/113006)
 - [30] US (61/931,609) 2014-01-25
 - [30] US (61/952,133) 2014-03-12
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 - [25] FR
 - [54] SIZED YARN INTENDED TO UNDERGO A TEXTILE OPERATION
 - [54] FIL ENSIME DESTINE A SUBIR UNE OPERATION TEXTILE
 - [72] HUGUET, CHRYSTEL, FR
 - [72] LOISON, SYLVIE, FR
 - [72] EVRARD, HERVE, FR
 - [73] HERAKLES, FR
 - [85] 2016-08-10
 - [86] 2015-02-20 (PCT/FR2015/050419)
 - [87] (WO2015/128569)
 - [30] FR (1451646) 2014-02-28
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 - [25] FR
 - [54] THREADED INSERT
 - [54] INSERT FILETE
 - [72] PHILIPPE, ALAN, FR
 - [72] BOLEIS, GILDAS, FR
 - [73] LISI AEROSPACE, FR
 - [85] 2016-08-23
 - [86] 2015-03-10 (PCT/EP2015/054891)
 - [87] (WO2015/135899)
 - [30] FR (1452018) 2014-03-11
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 - [25] EN
 - [54] COLD WORK TOOL STEEL
 - [54] ACIER A OUTIL ECROUI
 - [72] HILLSKOG, THOMAS, SE
 - [72] BENGTSSON, KJELL, SE
 - [72] DAMM, PETTER, SE
 - [72] ENGSTROM SVENSSON, ANNIKA, SE
 - [72] ROBERTSSON, RIKARD, SE
 - [72] STEINER, KRISTOFFER, SE
 - [72] FORSBERG, AMANDA, SE
 - [72] TIDESTEN, MAGNUS, SE
 - [72] EMANUELSSON, PAR, SE
 - [73] UDDEHOLMS AB, SE
 - [85] 2016-08-24
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 - [54] BICYCLIC PYRROLE DERIVATIVES USEFUL AS AGONISTS OF GPR120
 - [54] DERIVES BICYCLIQUES DE PYRROLE, UTILES COMME AGONISTES DE GPR120
 - [72] SUI, ZHIHUA, US
 - [72] WINTERS, MICHAEL P., US
 - [73] JANSEN PHARMACEUTICA NV, BE
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 - [86] 2014-03-07 (PCT/US2014/021762)
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- [25] EN
- [54] SUBSTRATE FILM, CATALYST TRANSFER SHEET, METHOD FOR PRODUCING MEMBRANE ELECTRODE ASSEMBLY, AND METHOD FOR PRODUCING CATALYST LAYER-COATED ELECTROLYTE MEMBRANE
- [54] FILM SUBSTRAT, FEUILLE DE TRANSFERT DE CATALYSEUR, PROCEDE DE PRODUCTION D'ENSEMBLE ELECTRODE A MEMBRANE, ET PROCEDE DE PRODUCTION DE MEMBRANE ELECTROLYTIQUE REVETUE D'UNE COUCHE DE CATALYSEUR
- [72] ADACHI, SHINYA, JP
- [72] IZUHARA, DAISUKE, JP
- [73] TORAY INDUSTRIES, INC., JP
- [85] 2016-09-06
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 - [25] EN
 - [54] CUTTING TOOL AND CUTTING INSERT HAVING EXACTLY FOUR CUTTING PORTIONS THEREFOR
 - [54] OUTIL DE COUPE ET SA PLAQUETTE DE COUPE COMPORTANT EXACTEMENT QUATRE PARTIES DE COUPE
 - [72] HECHT, GIL, IL
 - [73] ISCAR LTD., IL
 - [85] 2016-09-15
 - [86] 2015-03-12 (PCT/IL2015/050259)
 - [87] (WO2015/155756)
 - [30] US (14/249,844) 2014-04-10
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 - [25] EN
 - [54] CONFIGURABLE WORKSTATION
 - [54] POSTE DE TRAVAIL CONFIGURABLE
 - [72] VANDER PARK, ANTONIUS A., CA
 - [73] NOVA-LINK LIMITED, CA
 - [86] (2943207)
 - [87] (2943207)
 - [22] 2016-09-27
 - [30] US (15/253,284) 2016-08-31
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 - [54] LASER A DISQUE A SEMI-CONDUCTEUR (SDL) A BLOCAGE DE MODE PASSIF AMELIORE
 - [72] HAMILTON, CRAIG JAMES, GB
 - [72] MALCOLM, GRAEME PETER ALEXANDER, GB
 - [73] SOLUS TECHNOLOGIES LIMITED, GB
 - [85] 2016-09-20
 - [86] 2015-04-20 (PCT/GB2015/051176)
 - [87] (WO2015/159106)
 - [30] GB (1407015.5) 2014-04-18
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- [51] Int.Cl. B01L 3/02 (2006.01)
 - [25] EN
 - [54] MULTICHANNEL PIPETTING SYSTEM COMPRISING TWO ASPIRATION CHAMBERS THAT ARE IMBRICATED IN ONE ANOTHER
 - [54] SYSTEME DE PIPETAGE MULTICANAUX COMPRENANT DEUX CHAMBRES D'ASPIRATION IMBRIQUEES L'UNE DANS L'AUTRE
 - [72] DUDEK, BRUNO, FR
 - [73] GILSON SAS, FR
 - [85] 2016-10-03
 - [86] 2015-04-09 (PCT/EP2015/057788)
 - [87] (WO2015/155317)
 - [30] FR (14 53185) 2014-04-10
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 - [25] EN
 - [54] AQUEOUS LIQUID DISHWASHING COMPOSITION
 - [54] COMPOSITION AQUEUSE DE LIQUIDE VAISSELLE
 - [72] ZUNIGA, ARTURO, MX
 - [72] PENA, HENRY, MX
 - [72] ESPINOSA, REINA, MX
 - [72] FLECKENSTEIN, MELISSA, US
 - [72] MODH, RAM, US
 - [72] BENTOSA, CLAUDIA, MX
 - [72] JAKUBICKI, GARY, US
 - [73] COLGATE-PALMOLIVE COMPANY, US
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 - [86] 2014-05-21 (PCT/US2014/038911)
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 - [25] EN
 - [54] AUTOMATIC MACHINE FOR PREPARING COFFEE
 - [54] MACHINE AUTOMATIQUE POUR LA PREPARATION DE CAFE
 - [72] LANER, GERHARD, IT
 - [73] PROCAFFE' S.P.A., IT
 - [73] LANER, GERHARD, IT
 - [85] 2016-10-31
 - [86] 2014-08-08 (PCT/EP2014/067114)
 - [87] (WO2015/169398)
 - [30] IT (MI2014A000829) 2014-05-07
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 - [25] EN
 - [54] THROUGH WALL CONNECTOR FOR A MULTI-CHAMBER PRESSURE VESSEL
 - [54] CONNECTEUR PASSE-PAROI POUR RECIPIENT SOUS PRESSION MULTI-CHAMBRE
 - [72] MURPHY, LUCAS, US
 - [73] FLEXCON INDUSTRIES, INC., US
 - [85] 2016-11-21
 - [86] 2015-05-27 (PCT/US2015/032552)
 - [87] (WO2015/183873)
 - [30] US (62/004,012) 2014-05-28
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- [25] EN
- [54] PANEL SYSTEM FOR COVERING A BUILDING WALL
- [54] SYSTEME DE PANNEAUX DESTINE A RECOUVRIR UN MUR DE BATIMENT
- [72] LIBREIRO, MIGUEL ANTONIO MOORE, CA
- [72] MCKINLEY, JOEL ADAM, CA
- [73] CARTER FABRICATING INC., CA
- [85] 2016-11-30
- [86] 2015-05-29 (PCT/CA2015/050489)
- [87] (WO2015/179982)
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<p>[11] 2,953,326 [13] C</p> <p>[51] Int.Cl. E21B 31/107 (2006.01) E21B 47/017 (2012.01) E21B 47/26 (2012.01) E21B 17/00 (2006.01) H01R 13/523 (2006.01) [25] EN [54] IMPACT SENSING DURING JARRING OPERATIONS [54] DETECTION D'IMPACT PENDANT DES OPERATIONS DE BATTAGE [72] HRADECKY, JASON ALLEN, US [73] IMPACT SELECTOR INTERNATIONAL, LLC, US [85] 2016-12-21 [86] 2015-03-05 (PCT/US2015/018923) [87] (WO2015/199762) [30] US (14/316,767) 2014-06-26 [30] US (14/510,762) 2014-10-09 [30] US (14/510,781) 2014-10-09</p>	<p>[11] 2,953,683 [13] C</p> <p>[51] Int.Cl. B63B 27/36 (2006.01) [25] EN [54] A BOAT WITH A DISPLACEABLE FREEBOARD PORTION [54] BATEAU COMPORTANT UNE PARTIE DE FRANC-BORD DEPLACABLE [72] HILLBOHM, LARS, SE [73] HILLBOHM, LARS, SE [85] 2016-12-23 [86] 2014-07-10 (PCT/SE2014/050886) [87] (WO2015/005864) [30] SE (1350876-7) 2013-07-12</p>	<p>[11] 2,955,901 [13] C</p> <p>[51] Int.Cl. A47F 9/04 (2006.01) [25] EN [54] RECONFIGURABLE CHECKOUT STATION [54] CAISSE DE PAIEMENT RECONFIGURABLE [72] DUBOIS, THIERRY, FR [72] LUGUERN, PIERRE, FR [72] MENGIN, CATHERINE, FR [73] TOSHIBA GLOBAL COMMERCE SOLUTIONS HOLDINGS CORPORATION, JP [85] 2017-01-20 [86] 2015-01-07 (PCT/JP2015/050857) [87] (WO2016/013230) [30] US (14/340,769) 2014-07-25</p>
<p>[11] 2,953,326 [13] C</p> <p>[51] Int.Cl. E21B 31/107 (2006.01) E21B 47/017 (2012.01) E21B 47/26 (2012.01) E21B 17/00 (2006.01) H01R 13/523 (2006.01) [25] EN [54] IMPACT SENSING DURING JARRING OPERATIONS [54] DETECTION D'IMPACT PENDANT DES OPERATIONS DE BATTAGE [72] HRADECKY, JASON ALLEN, US [73] IMPACT SELECTOR INTERNATIONAL, LLC, US [85] 2016-12-21 [86] 2015-03-05 (PCT/US2015/018923) [87] (WO2015/199762) [30] US (14/316,767) 2014-06-26 [30] US (14/510,762) 2014-10-09 [30] US (14/510,781) 2014-10-09</p>	<p>[11] 2,953,851 [13] C</p> <p>[51] Int.Cl. H01R 43/042 (2006.01) [25] EN [54] CRIMP TOOL FOR MODULAR ELECTRICAL CONNECTORS AND METHODS OF ASSEMBLING SAME [54] OUTIL DE SERTISSAGE DE CONNECTEURS ELECTRIQUES MODULAIRES ET METHODE D'ASSEMBLAGE ASSOCIEE [72] SUTTER, ROBERT W., US [73] IDEAL INDUSTRIES, INC., US [86] (2953851) [87] (2953851) [22] 2017-01-05 [30] US (62/276,656) 2016-01-08 [30] US (62/416,976) 2016-11-03 [30] US (15/397,874) 2017-01-04</p>	<p>[11] 2,957,741 [13] C</p> <p>[51] Int.Cl. G05D 23/19 (2006.01) F24F 11/50 (2018.01) F24F 11/56 (2018.01) F24D 19/10 (2006.01) G05B 19/042 (2006.01) [25] EN [54] PERSONALIZED AMBIENT TEMPERATURE MANAGEMENT [54] GESTION DE TEMPERATURE AMBIANTE PERSONNALISEE [72] ROBINSON, DAVID, GB [73] ECHOSTAR UK HOLDINGS LIMITED, GB [85] 2017-02-09 [86] 2015-07-29 (PCT/EP2015/067386) [87] (WO2016/023753) [30] US (14/459,517) 2014-08-14</p>

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[54] USING AIRCRAFT DATA RECORDED DURING FLIGHT TO PREDICT AIRCRAFT ENGINE BEHAVIOR
[54] UTILISATION DES DONNEES D'AERONEF ENREGISTREES PENDANT UN VOL POUR PREDIRE LE COMPORTEMENT DU MOTEUR DE L'AERONEF
 [72] MALTA, LUCAS R., BR
 [72] LEAO, BRUNO PAES, BR
 [72] BITTENCOURT, JOSE LUIZ, BR
 [72] ORENSTEIN, LEONARDO POUBEL, BR
 [73] GENERAL ELECTRIC COMPANY, US
 [86] (2958817)
 [87] (2958817)
 [22] 2017-02-23
 [30] US (15/066,785) 2016-03-10
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[13] C

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 [25] EN
[54] NEBULISER DEVICE
[54] DISPOSITIF NEBULISEUR
 [72] SALEGUI ECHEVESTE, JUAN JOSE, ES
 [72] SALEGI ETXEBESTE, INAKI, ES
 [73] LAINOMEDICAL, S.L., ES
 [85] 2017-03-24
 [86] 2014-09-29 (PCT/ES2014/070740)
 [87] (WO2016/046423)
 [30] ES (P201431415) 2014-09-26
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[13] C

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 [25] EN
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[54] PROCEDE DE CODAGE D'UNE MATRICE, NOTAMMENT D'UNE MATRICE REPRESENTATIVE D'UNE IMAGE FIXE OU VIDEO, UTILISANT UNE TRANSFORMEE
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- [72] SCHLÖTTERBECK SUAREZ, TRINIDAD, CL
- [72] CANON JONES, HERNAN ALBERTO, CL
- [72] CASTILLO RUIZ, MARIO HERNAN, CL
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 [73] BAKER HUGHES, A GE COMPANY, LLC, US
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 [72] LATRON, AMBROISE, FR
 [72] SORHOUET, FABRICE, FR
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- [54] **GENERATEUR ET FORMULATEUR SUR SITE D'ACIDE PERFORMIQUE**
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- [72] CREW, BENJAMIN, US
- [72] LI, JUNZHONG, US
- [72] MCSHERRY, DAVID D., US
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- [72] RUSSCHER, JACOB CORNELIS, NL
- [72] MONNEE, MENNO CORNELIS FRANCISCUS, NL
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- [54] **SYSTEMES DE TRI ET PROCEDES POUR ASSURER LE TRI DE DIVERS OBJETS**
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- [72] COHEN, BENJAMIN, US
- [72] DAWSON-HAGGERTY, MICHAEL, US
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- [72] KOLETSCHKA, THOMAS, US
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 - [72] VOLKOV, MIKHAIL PETROVICH, RU
 - [72] NAZARENKO, ALEXANDER ALEKSANDROVICH, RU
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 - [72] NATSCHKE, SCOTT LEE, US
 - [72] GREGAR, PETER PAUL, US
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[54] SYSTEM AND METHOD FOR
SIMULTANEOUSLY FILLING
CONTAINERS WITH DIFFERENT
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[54] SYSTEME ET PROCEDE DE
REMPISSAGE SIMULTANE DE
RECIPIENTS AVEC
DIFFERENTES COMPOSITIONS
FLUIDES
[72] BURKHARD, RYAN ANDREW, US
[72] MOORE, NATHAN E., US
[72] FIKES, ELIZABETH MARIE, US
[72] ROYCE, DANIEL RICHARD, US
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COMPANY, US
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[54] OPERATING METHOD AND
DEVICE OF PLANT-PROTECTION
UNMANNED AERIAL VEHICLE
[54] PROCEDE ET DISPOSITIF
OPERATOIRES DE VEHICULE
AERIEN SANS PILOTE DE
PROTECTION D'USINE
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[72] LI, JIESUN, CN
[73] GUANGZHOU XAIRCRAFT
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WIND TURBINE, AND
ASSOCIATED WIND TURBINE
[54] PROCEDE POUR COMMANDER
UNE EOLIENNE ET EOLIENNE
CORRESPONDANTE
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[54] QUINOLYL-SUBSTITUTED
CARBOXYLIC ACID COMPOUND
OR PHARMACEUTICALLY
ACCEPTABLE SALT THEREOF,
PHARMACEUTICAL
COMPOSITION OF THE SAME,
AND USE OF THE SAME
[54] COMPOSE D'ACIDE
CARBOXYLIQUE A
SUBSTITUTION QUINOLINYLE
OU SEL
PHARMACEUTIQUEMENT
ACCEPTABLE DE CELUI-CI,
COMPOSITION
PHARMACEUTIQUE ET
UTILISATION ASSOCIEES
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[72] WANG, XIJUAN, CN
[72] ZHANG, XUEHUI, CN
[72] QIU, JUNXIA, CN
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 - [72] DALEY, BENNETT P., US
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[73] GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD., CN
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[72] WARMERDAM, OSCAR, US
[73] GREEN ROOF SPECIALTY PRODUCTS, LLC, US
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[72] PRINCE, JORDAN, US
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[72] LEE, JUNG-SEUNG, KR
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[73] INTERSCOPE, INC., US
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[54] AEROSOL-GENERATING SYSTEM WITH OVERHEATING PREVENTION
[54] SYSTEME DE GENERATION D'AEROSOL A PREVENTION DE SURCHAUFFE
[72] COLOTTE, GUILLAUME, CH
[72] BILAT, STEPHANE, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
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[54] PROCEDE D'EMISSION DE donnees de liaison MONTANTE DANS UN SYSTEME DE COMMUNICATION SANS FIL ET APPAREIL ASSOCIE
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[72] KIM, KIJUN, KR
[72] PARK, JONGHYUN, KR
[72] KANG, JIWON, KR
[72] KIM, HYUNGTAE, KR
[73] LG ELECTRONICS INC., KR
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[54] PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] PROCEDE DE DETERMINATION D'ENSEMBLE DE MATRICES DE PRECODAGE ET DISPOSITIF DE TRANSMISSION
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[72] LI, XUERU, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] TWO-STROKE INTERNAL COMBUSTION ENGINE
[54] MOTEUR A COMBUSTION INTERNE A DEUX TEMPS
[72] REHRL, CHRISTIAN, AT
[72] DROCHNER, HELMUT, AT
[72] MAYRHOFER, CHRISTIAN, AT
[72] SPATZENEGGER, STEFAN, AT
[72] RATHGEB, CHRISTIAN, AT
[72] DERNTL, MICHAEL, AT
[72] HOLZLEITNER, BERND, AT
[72] GORBACH, PETER, AT
[72] FORSTER, MARTIN, AT
[72] VIERTLMAYR, MICHAEL, AT
[73] KTM AG, AT
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[54] COUPLEUR ZZZ POUR BITS QUANTIQUES SUPRACONDUCTEURS
[72] FERGUSON, DAVID GEORGE, US
[72] PRZYBYSZ, ANTHONY JOSEPH, US
[72] STRAND, JOEL D., US
[73] NORTHRUP GRUMMAN SYSTEMS CORPORATION, US
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[25] EN
[54] BATTERY UNIT, FLAVOR INHALER, METHOD FOR CONTROLLING BATTERY UNIT, AND PROGRAM
[54] UNITE DE BATTERIE, ASPIRATEUR D'AROME, PROCEDE DE COMMANDE D'UNITE DE BATTERIE, ET PROGRAMME
[72] TAKEUCHI, MANABU, JP
[72] TAKAHASHI, TAKAYA, JP
[72] YAMADA, MANABU, JP
[73] JAPAN TOBACCO INC., JP
[85] 2019-08-21
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[54] ANODE INERTE METALLIQUE POUR LA PRODUCTION D'ALUMINIUM PAR ELECTROLYSE DE BAIN DE FUSION
[72] SIMAKOV, DMITRIJ ALEKSANDROVICH, RU
[72] BURTSEV, ALEKSEJ GENNAD'EVICH, RU
[72] GUSEV, ALEKSANDR OLEGOVICH, RU
[73] OBUHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPAANIYA RUSAL INZHENERNO-TEKHOLOGICHESKIY TSENTR", RU
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[54] RECIPIENT DE RESINE SYNTETIQUE
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 [72] OKABE, KOUKI, JP
 [72] UCHIYAMA, TAKESHI, JP
 [72] ISHII, RYOUTA, JP
 [73] TOYO SEIKAN CO., LTD., JP
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 [30] JP (2017-058977) 2017-03-24
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[54] COMPOSITION AUTO-EMULSIFIANTE D'ACIDE GRAS .OMEGA.3
 [72] FUJII, HIROSATO, JP
 [72] YAMAGATA, MOTO, JP
 [73] MOCHIDA PHARMACEUTICAL CO., LTD., JP
 [86] (3059911)
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[54] SYSTEM AND METHOD FOR PREVENTING DISPLAY BOWING
[54] SYSTEME ET PROCEDE PERMETTANT D'EMPECHER UN GAUCHISSEMENT DE DISPOSITIF D'AFFICHAGE
 [72] DUNN, WILLIAM, US
 [72] LINCOLN, ANDREW, US
 [72] BROWN, MIKE, US
 [72] DIAZ, MARCOS, US
 [73] MANUFACTURING RESOURCES INTERNATIONAL, INC., US
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[54] VARIETE DE SOYA 5PWYY47
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 [72] RIES, LANDON LINN, US
 [72] ROACH, MICHAEL THOMAS, US
 [72] VAN HERK, JOHN GERARD, CA
 [73] PIONEER HI-BRED INTERNATIONAL, INC., US
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 [73] BURNDY, LLC, US
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 [73] EATON INTELLIGENT POWER LIMITED, IE
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[54] APPAREIL DE NETTOYAGE AVEC UNITE DE PEIGNAGE POUR RETIRER DES DEBRIS D'UN ROULEAU DE NETTOYAGE
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[72] MING, YAO, US
[72] DER MARDEROSIAN, DANIEL R., US
[72] MEYER, DANIEL, US
[72] CLEARY, PATRICK, US
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[72] GAO, WENXIU, CN
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[25] EN
[54] CUSTOMIZABLE ROUTER FOR MANAGING TRAFFIC BETWEEN APPLICATION PROGRAMMING INTERFACES
[54] ROUTEUR PERSONNALISABLE POUR LA GESTION DU TRAFIC ENTRE DES INTERFACES DE PROGRAMMATION D'APPLICATIONS
[72] YEDDULA, RAVICHANDRA, US
[72] NAZEEMUDEEN, MOHAMED M., US
[72] SELVARAJ, ARUMUGARAJA, US
[72] KAMIREDDY, NAGARAJA R., US
[72] O'CONNOR, J. TODD, US
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[54] VITAMINE D COMME UN GROUPE CIBLE DE PEPTIDES THERAPEUTIQUES
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[72] HALES, LAURA M., US
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[72] SOLIMAN, TARIK M., US
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[54] APPLICATIONS CONTEXTUELLES DANS UN ENVIRONNEMENT DE REALITE MIXTE
[72] DROUIN, SYLVIO HERVE, US
[72] PALMARO, GREGORY LIONEL XAVIER JEAN, US
[72] ROSILLO, DIOSELIN ALEJANDRA GONZALEZ, US
[73] UNITY IPR APS, DK
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[54] PROCEDE DE DETECTION D'UNE RUPTURE DE CABLE
 [72] LAKIROVICH, KONSTANTIN, US
 [72] DE YOUNG, CHRISTOPHER, US
 [72] FRENCH, JOHN, US
 [73] S&C ELECTRIC COMPANY, US
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[54] PROCEDE DE COMMANDE DE RETRANSMISSION DE DONNEES ET PRODUIT ASSOCIE
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 [73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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 [72] SCHALL, GUNTHER, DE
 [72] GIER, STEPHAN, DE
 [72] BROCKER, RICHARD, DE
 [72] BALDUIN, MICHAEL, DE
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 [72] HONG, MINGZHI, CN
 [72] LIANG, JINNING, CN
 [72] HUANG, QINGPING, CN
 [72] JIN, XIN, CN
 [73] NUCTECH COMPANY LIMITED, CN
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[54] APPAREIL A DEL COMPORtant UNE OU PLUSIEURS UNITES DE COMMUNICATION ET SON PROCEDE D'UTILISATION
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 [72] SCHERWITZ, SAM, CA
 [73] 10644137 CANADA INC., CA
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[72] PLAHEY, KULWINDER S., US
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[54] DERIVE D'ISOQUINOLEINYLSULFONYLE ET SON UTILISATION
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[72] ZHANG, LI, CN
[72] CHEN, ZHAOGUO, CN
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[54] PROCEDE ET SYSTEME DE DETECTION BASEE SUR UN SEUIL DE CHAMPS DE DISTORSION MAGNETIQUE A L'INTERIEUR DES BATIMENTS
[72] HUBERMAN, SEAN, CA
[73] MAPSTED CORP., CA
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[72] WALES, RYAN V., US
[72] ESTEVEZ, RAMON, US
[72] MAZZOLA, NICHOLAS J., US
[72] BENESH, BETH, US
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[54] METHOD FOR MANUFACTURING PANELS HAVING A DECORATIVE SURFACE
[54] PROCEDE DE FABRICATION DE PANNEAUX AYANT UNE SURFACE DECORATIVE
[72] CLEMENT, BENJAMIN, BE
[72] DE BOE, LUC, BE
[73] FLOORING INDUSTRIES LIMITED, SARL, LU
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[54] THREADED CONNECTION FOR PIPES AND METHOD FOR PRODUCING THREADED CONNECTION FOR PIPES
[54] RACCORD FILETE DE TUYAU, ET PROCEDE DE FABRICATION DE RACCORD FILETE DE TUYAU
[72] KIMOTO, MASANARI, JP
[72] OSHIMA, MASAHIRO, JP
[73] NIPPON STEEL CORPORATION, JP
[73] VALLOUREC OIL AND GAS FRANCE, FR
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 - [54] FLUIDE DE FOND DE TROU POUR ELIMINER DES DEPOTS ET PROCEDES ASSOCIES
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 - [72] MALLICK, MONALISA, IN
 - [73] HALLIBURTON ENERGY SERVICES, INC., US
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- [72] CHEN, JUIKUN, US
- [73] ROKU, INC., US
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 - [54] DISPOSITIF DE PLANTATION AVEC APPAREIL DE DISTRIBUTION DE GRAINES A HAUTE VITESSE
 - [72] WILHELMI, MATTHEW, US
 - [72] HAHN, DUSTAN, US
 - [72] WILLIS, PHILIP, US
 - [72] MARTIN, DEAN, US
 - [72] McDOWELL, DALTON, US
 - [72] NEWELL, GARY, US
 - [73] KINZE MANUFACTURING, INC., US
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 - [87] (WO2019/067933)
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- [54] HOUSSE D'OREILLER REUTILISABLE NON ALLERGENE ET ANTIACARIEN DE LA POUSSIÈRE
- [72] CHEANG, KUAN HOI, CA
- [73] CHEANG, KUAN HOI, CA
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 - [54] SYSTEME AUTOMATISE DE MONTAGE DE PIZZA
 - [72] FRITZ-JUNG, CATHRYN, US
 - [72] SCRIVANO, DAVID, US
 - [72] STROTHER, DAVID, US
 - [72] THOMAS, AMANDA B., US
 - [72] HESLIP, SEAN M., US
 - [72] DEEMTER, KENT A., US
 - [72] MCCOY, TYLER W., US
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- [54] DISPOSITIF DE FERMETURE POUR UNE ARMOIRE ELECTRIQUE ET ARMOIRE ELECTRIQUE CORRESPONDANTE
- [72] BRUCK, DANIEL, DE
- [72] WIRBELAUER, SASCHA, DE
- [73] RITTAL GMBH & CO. KG, DE
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 - [54] PROTOCOLE DE RESEAU INFORMATIQUE SENSIBLE A DES DATAGRAMMES A FAIBLE LATENCE
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 - [72] CERVANTES, JAIME IVAN, US
 - [72] HU, SI YING DIANA, US
 - [73] NIANTIC, INC., US
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 - [86] 2019-06-25 (PCT/US2019/038984)
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- [54] BANDE DE LUMIERE VISSEE
- [72] WU, QINGAN, CN
- [72] LIN, XIONGZHONG, CN
- [73] ZHANGZHOU GO WIN LIGHTING CO., LTD, CN
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 - [72] TAYLOR, JR., JAMES H., US
 - [72] DELLINGER, GARY D., US
 - [73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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- [72] COLAFRANCESCO, JULIEN, FR
- [72] TCHEDEKIAN, SIMON, FR
- [72] SCHODET, NICOLAS, FR
- [72] GUILLOT, SIMON, FR
- [73] 7HUGS LABS SAS, FR
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 - [72] ASSINGER, ALICE, AT
 - [72] STARLINGER, PATRICK, AT
 - [73] TAMIRNA GMBH, AT
 - [73] MEDIZINISCHE UNIVERSITAT WIEN, AT
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- [54] DECOMPOSITION DE DOMAINE D'ESPACE VIDE POUR LA SIMULATION DE PROCESSUS PHYSIQUES
- [72] BAEHR-JONES, THOMAS WETTELAND, US
- [73] BAEHR-JONES, THOMAS WETTELAND, US
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[25] EN
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[54] APPAREIL, PROCEDES ET SYSTEMES DE MANIPULATION
[72] BIDRAM, FARHANG, CA
[72] MOHAMMADREZA, YAVARI, CA
[72] MEHRABI, VAHID, CA
[72] GHASEMI TOUDESHKI, AMIRMASOUD, CA
[72] MIRSADEGHI, SEYED MEHDI, CA
[72] HAVENS, THOMAS JULIAN, CA
[73] ADVANCED INTELLIGENT SYSTEMS INC., CA
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[86] 2019-09-27 (PCT/CA2019/051390)
[87] (WO2020/061711)
[30] US (62/738,115) 2018-09-28
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[30] US (16/510,795) 2019-07-12
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[25] EN
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[54] APPAREIL MANIPULATEUR DESTINE A FONCTIONNER SUR DES ARTICLES
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[72] GHASEMI TOUDESHKI, AMIRMASOUD, CA
[73] ADVANCED INTELLIGENT SYSTEMS INC., CA
[85] 2021-03-24
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[87] (WO2020/069604)
[30] US (62/741,151) 2018-10-04
[30] US (62/810,903) 2019-02-26
[30] US (16/509,900) 2019-07-12

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[54] APPAREIL DE PREHENSION A CHARGE SANS FIL POUR DISPOSITIFS PORTABLES
[72] HABER, SHIMON, US
[72] LEVINE, LAWRENCE T., US
[72] ELHARAR, NOAM, US
[73] TZUMI ELECTRONICS LLC, US
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[25] EN
[54] SKID MOUNTED WELLHEAD DESANDERS AND FLOWBACK SYSTEMS
[54] DESSABLEURS DE TETE DE PUITS MONTES SUR PATINS ET SYSTEMES DE REFLUX
[72] GAMARRA, FRANCISCO, US
[72] SHARMA, RAMESH, US
[72] ANDERSEN, CURTIS S., US
[72] WEAVER, BRYAN P., US
[72] BENAVIDES, JUAN, US
[72] SINGH, PROBJOT, US
[72] MANULA, CHARLES B., US
[73] CONOCOPHILLIPS COMPANY, US
[85] 2021-03-31
[86] 2019-09-27 (PCT/US2019/053469)
[87] (WO2020/076524)
[30] US (62/744,574) 2018-10-11

[11] 3,119,118
[13] C

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[25] EN
[54] APPARATUS FOR COLLECTING AND DISPENSING FLUID
[54] APPAREIL POUR RECUEILLIR ET DISTRIBUER UN FLUIDE
[72] BROWN, PAUL, CA
[73] BROWN, PAUL, CA
[86] (3119118)
[87] (3119118)
[22] 2021-05-18
[30] US (17/306,359) 2021-05-03
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[11] 3,120,313
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[25] EN
[54] HOSPITAL BED WITH PATIENT WEIGHT AND DISPLACEMENT SENSORS
[54] LIT D'HOPITAL COMPORTANT DES CAPTEURS DU POIDS ET DES DEPLACEMENTS DU PATIENT
[72] LEMIRE, GUY, CA
[72] LABBE, RICHARD, CA
[72] LAFLAMME, JIMMY, CA
[72] LACASSE, SYLVAIN, CA
[72] BOLDUC, STEVE, CA
[72] LANDRY, LUC, CA
[72] BEAUDET, JEAN-PHILIPPE, CA
[73] UMANO MEDICAL INC., CA
[86] (3120313)
[87] (3120313)
[22] 2015-08-27
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[30] US (62/042,406) 2014-08-27

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- [25] EN
- [54] CIRCUIT BREAKER ENCLOSURE HAVING INTEGRATED PASS-THROUGH
- [54] ENCEINTE DE DISJONCTEUR A PASSAGE INTEGRÉ
- [72] VLADUCHICK, PAUL JASON, US
- [72] ARISTIZABAL, MAURICIO, US
- [72] CUPPETT, MATTHEW D., US
- [73] HITACHI ENERGY SWITZERLAND AG, CH
- [85] 2021-05-26
- [86] 2019-12-18 (PCT/US2019/067198)
- [87] (WO2020/142216)
- [30] US (62/786,695) 2018-12-31
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[13] C

- [51] Int.Cl. E02D 27/42 (2006.01) E04H 12/20 (2006.01) E04H 12/34 (2006.01)
- [25] EN
- [54] HELICAL ANCHOR FOUNDATION SYSTEM
- [54] SYSTEME DE FONDATION A ANCRAJE HELICOIDE
- [72] RUSS, KEVIN J., US
- [72] DOTSON, JOSHUA A., US
- [72] TURNER, LUCAS B., US
- [73] HELICORE LLC, US
- [85] 2021-06-23
- [86] 2021-02-22 (PCT/US2021/019133)
- [87] (3124025)
- [30] US (16/806,268) 2020-03-02
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- [51] Int.Cl. E04G 23/02 (2006.01) E04C 3/26 (2006.01)
- [25] EN
- [54] METHOD FOR STRENGTHENING CONCRETE OR TIMBER STRUCTURES USING CFRP STRIPS AND CONCRETE OR TIMBER STRUCTURES STRENGTHENED BY THIS METHOD
- [54] PROCEDE DE RENFORCEMENT DE STRUCTURES EN BETON OU EN BOIS A L'AIDE DE BANDES CFRP ET STRUCTURES EN BETON OU EN BOIS RENFORCEES PAR CE PROCEDE
- [72] HUPPI, MARTIN, CH
- [72] HOSSEINI, ARDALAN, US
- [72] MOSHIRI, NILOUFAR, IR
- [72] MOSTOFINEJAD, DAVOOD, IR
- [72] CZADERSKI, CHRISTOPH, CH
- [72] MOTAVALLI, MASOUD, CH
- [73] S&P CLEVER REINFORCEMENT COMPANY AG, CH
- [73] EIDG. MATERIALPRUFUNGS- UND FORSCHUNGSSANSTALT EMPA, CH
- [85] 2021-07-13
- [86] 2020-01-27 (PCT/EP2020/051932)
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- [25] FR
- [54] METHOD FOR DETECTING A DEGRADATION OF A WHEEL TYRE
- [54] PROCEDE DE DETECTION D'UNE DEGRADATION D'UN PNEUMATIQUE D'UNE ROUE
- [72] FANTON, NICOLAS, FR
- [72] PERIGORD, ADRIEN, FR
- [72] COUTURIER, EMMANUEL, FR
- [72] VIJAYAKUMARAN, MAJURIAN, FR
- [72] LIPARI, NICOLAS, FR
- [73] SAFRAN ELECTRONICS & DEFENSE, FR
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[51] Int.Cl. A41D 13/11 (2006.01)

[25] EN

[54] L3 VANITY FACE SHIELD

[54] ECRAN FACIAL L3

[72] PRASHAD, ISVAR (ISHWAR), CA

[71] PRASHAD, ISVAR (ISHWAR), CA

[22] 2020-06-26

[41] 2021-12-26

[21] **3,084,930**

[13] A1

[51] Int.Cl. A61J 1/00 (2006.01) A61F
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[25] EN

[54] A MEDICATION KIT

[54] TROUSSE DE MEDICAMENTS

[72] GANDHI, ASHWIN L., CA

[71] GANDHI, ASHWIN L., CA

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[21] **3,084,940**

[13] A1

[51] Int.Cl. E04B 2/88 (2006.01)

[25] EN

[54] UNITIZED CURTAIN WALL
SYSTEM FOR PASSIVE HOUSE
STANDARD

[54] SYSTEME DE MUR-RIDEAU
PREFABRIQUE SELON LA
NORME DES MAISONS PASSIVES

[72] NAIM IBRAHIM, EHAB, CA

[71] GAMMA WINDOWS AND WALLS
INTERNATIONAL INC., CA

[22] 2020-06-26

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[21] **3,085,034**

[13] A1

[51] Int.Cl. B62D 55/10 (2006.01) B62D
55/08 (2006.01)

[25] EN

[54] PIVOT ASSEMBLY FOR A
GROUND-CONTACTING WHEEL
ASSEMBLY

[54] BLOC-PIVOT POUR ENSEMBLE
ROUE EN CONTACT AVEC LE
SOL

[72] AUBIN-MARCHAND, JEREMIE, CA

[72] ROGER, YAN, CA

[72] PELLETIER, STEPHANE, CA

[72] SAVAGE, BENOIT, CA

[72] LASNIER GUILLEMETTE, SAMUEL,
CA

[71] SOUCY INTERNATIONAL INC., CA

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[21] **3,085,050**

[13] A1

[51] Int.Cl. G21C 13/00 (2006.01) G21C
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[25] EN

[54] METHOD AND MAINTENANCE
OF A VACUUM BUILDING
CONNECTED TO A PLURALITY
OF NUCLEAR REACTOR UNITS
OF THE CANDUR TYPE,
CORRESPONDING SUPPRESSION
AND FILTERED CONTAINMENT
DISCHARGE SYSTEM

[54] PROCEDE ET MAINTENANCE
D'UN BATIMENT SOUS VIDE
CONNECTE A PLUSIEURS
UNITES DE REACTEURS
NUCLEAIRES DE TYPE CANDU,
SUPPRESSION
CORRESPONDANTE ET
SYSTEME DE DECHARGE
FILTREE D'ENCEINTE DE
CONFINEMENT

[72] COOPER, WILLIAM HENRY, CA

[72] GARBER, DAVID AARON, CA

[71] FRAMATOME CANADA LTD., CA

[22] 2020-06-30

[41] 2021-12-30

[21] **3,085,075**

[13] A1

[51] Int.Cl. E04D 13/08 (2006.01)

[25] EN

[54] FITTING FOR A RAIN GUTTER
DOWNPIPE

[54] RACCORD DE TUYAU DE
DESCENTE D'EAUX PLUVIALES
POUR GOUTTIERE

[72] FOX, JESSE, CA

[72] BRAKE, TYLER J., CA

[72] RINKEL, GARRON, CA

[71] F.X. CONSTRUCTION INC., CA

[22] 2020-06-30

[41] 2021-12-30

[21] **3,085,078**

[13] A1

[51] Int.Cl. A61K 31/522 (2006.01) A61K
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A61K 31/52 (2006.01) A61K 31/53
(2006.01) A61P 15/10 (2006.01) A61P
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[25] EN

[54] MEDICAMENT, COMPOUND,
COMPOSITION AND METHOD
FOR TREATING HERPES

[54] MEDICAMENT, COMPOSE,
COMPOSITION ET METHODE DE
TRAITEMENT DE L'HERPES

[72] SAVESCU, NAPOLEON, US

[71] SAVESCU, NAPOLEON, US

[22] 2020-06-29

[41] 2021-12-29

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<p style="text-align: right; margin-bottom: 0;">[21] 3,085,149</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. G16H 50/80 (2018.01) A61B 5/01 (2006.01) A61G 12/00 (2006.01) G06N 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTI-FEATURE COVID-19 INSPECTION MACHINE</p> <p>[54] MACHINE D'INSPECTION CONCERNANT LA COVID-19 A MULTIPLES FONCTIONS</p> <p>[72] MIRZAEE, ALI M. R., CA</p> <p>[72] VAKILI, SEYED MOHAMMAD HOSSEIN M. R., CA</p> <p>[71] MIRZAEE, ALI M. R., CA</p> <p>[71] VAKILI, SEYED MOHAMMAD HOSSEIN M. R., CA</p> <p>[22] 2020-06-26</p> <p>[41] 2021-12-26</p>	<p style="text-align: right; margin-bottom: 0;">[21] 3,085,234</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. A47G 29/30 (2006.01) H04W 4/14 (2009.01) G06Q 10/08 (2012.01) H04W 4/30 (2018.01) H04W 4/80 (2018.01) A47G 29/14 (2006.01) E05B 47/00 (2006.01) G08B 5/38 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR FACILITATING COLLECTION OF ITEMS WITHOUT HUMAN INTERACTION</p> <p>[54] METHODE POUR FACILITER LA COLLECTE D'ARTICLES SANS INTERVENTION HUMAINE</p> <p>[72] WHEELER, NOLAN, CA</p> <p>[72] RODRIGUEZ, JOSHUA, CA</p> <p>[71] SYNQ ACCESS + SECURITY TECHNOLOGY LTD., CA</p> <p>[22] 2020-06-30</p> <p>[41] 2021-12-30</p>	<p style="text-align: right; margin-bottom: 0;">[21] 3,086,646</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B60P 7/08 (2006.01)</p> <p>[25] EN</p> <p>[54] LOAD BED SIDE MOUNTED WINCH STRAP ROLLER</p> <p>[54] ROULEAU DE SANGLE DE TREUIL MONTE SUR LE COTE DE LA PLATEFORME DE CHARGEMENT</p> <p>[72] OLSON, BRIAN R., CA</p> <p>[71] POWER PIN INC., CA</p> <p>[22] 2020-06-30</p> <p>[41] 2021-12-30</p>
<p style="text-align: right; margin-bottom: 0;">[21] 3,085,170</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. A44C 5/00 (2006.01) A44C 11/00 (2006.01) A44C 15/00 (2006.01)</p> <p>[25] EN</p> <p>[54] JEWELRY COMBINATION</p> <p>[54] ENSEMBLE DE BIJOUX</p> <p>[72] JANE, ALEXANDER, CA</p> <p>[71] XANDER JANE LTD., CA</p> <p>[22] 2020-06-30</p> <p>[41] 2021-12-30</p>	<p style="text-align: right; margin-bottom: 0;">[21] 3,088,431</p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B65H 49/32 (2006.01) B65H 49/24 (2006.01)</p> <p>[25] EN</p> <p>[54] SUPPORTS, SYSTEMS, AND METHODS FOR IMPROVED STORAGE OF CABLE REEL PAYOUT DEVICES</p> <p>[54] SUPPORTS, SYSTEMES ET METHODES POUR UN MEILLEUR STOCKAGE DES DISPOSITIFS DE DEROULEMENT DES BOBINES DE CABLE</p> <p>[72] NORTON, ANDREW CODY, US</p> <p>[72] STOGNER, TYLER BARR, US</p> <p>[71] SOUTHWIRE COMPANY, LLC, US</p> <p>[22] 2020-07-27</p> <p>[41] 2021-12-30</p> <p>[30] US (16/916,772) 2020-06-30</p>	

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<p style="text-align: right;">[21] 3,092,969 [13] A1</p> <p>[51] Int.Cl. B66B 1/14 (2006.01)</p> <p>[25] EN</p> <p>[54] A HOLOGRAPHIC ELEVATOR CONTROL BOX</p> <p>[54] BOITE DE COMMANDE D'ASCENSEUR HOLOGRAPHIQUE</p> <p>[72] SHI, JINGHUA, CN</p> <p>[71] YESAR ELECTRONICS TECHNOLOGY (SHANGHAI) CO., LTD., CN</p> <p>[22] 2020-09-14</p> <p>[41] 2021-12-29</p> <p>[30] CN (20201234705.7) 2020-06-29</p>	<p style="text-align: right;">[21] 3,097,714 [13] A1</p> <p>[51] Int.Cl. B32B 3/30 (2006.01) B32B 5/22 (2006.01) E02D 27/32 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITE DRAINBOARD FOR BLINDSIDE APPLICATION, AND FOUNDATION ASSEMBLY</p> <p>[54] EGOUTTOIR COMPOSITE POUR APPLICATION COTE CACHE, ET ENSEMBLE FONDATION</p> <p>[72] JABLONKA, MARCUS, CA</p> <p>[71] EWALD DORKEN AG, DE</p> <p>[22] 2020-10-31</p> <p>[41] 2021-12-29</p> <p>[30] US (63/045785) 2020-06-29</p>	<p style="text-align: right;">[21] 3,104,101 [13] A1</p> <p>[51] Int.Cl. H05B 3/06 (2006.01) A24F 40/46 (2020.01)</p> <p>[25] EN</p> <p>[54] HEATER</p> <p>[54] RADIAUTEUR</p> <p>[72] LIU, TUANFANG, CN</p> <p>[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN</p> <p>[22] 2020-12-24</p> <p>[41] 2021-12-29</p> <p>[30] CN (202010605450.9) 2020-06-29</p> <p>[30] CN (20201227114.7) 2020-06-29</p>
<p style="text-align: right;">[21] 3,102,574 [13] A1</p> <p>[51] Int.Cl. C08F 210/02 (2006.01) C08F 2/01 (2006.01) C08F 2/04 (2006.01) C08F 4/16 (2006.01) C08F 4/20 (2006.01) C08F 210/08 (2006.01)</p> <p>[25] EN</p> <p>[54] ETHYLENE COPOLYMER FOR BIAXIAL ORIENTATION</p> <p>[54] COPOLYMERÉ ETHYLENIQUE À ORIENTATION BIAXIALE</p> <p>[72] FEREYDOON, MARYAM, CA</p> <p>[72] GOYAL, SHIVENDRA, CA</p> <p>[72] BROWN, STEPHEN, CA</p> <p>[72] LIGHTBODY, OWEN, CA</p> <p>[72] AUBEE, NORMAN, CA</p> <p>[72] GREEN, THOMAS, CA</p> <p>[72] MARK, LISON, CA</p> <p>[72] CARELLO, CHRISTIAN, CA</p> <p>[71] NOVA CHEMICALS CORPORATION, CA</p> <p>[22] 2020-12-14</p> <p>[41] 2021-12-29</p> <p>[30] US (63/045,383) 2020-06-29</p>	<p style="text-align: right;">[21] 3,104,105 [13] A1</p> <p>[51] Int.Cl. H05B 3/06 (2006.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)</p> <p>[25] EN</p> <p>[54] HEATER</p> <p>[54] RADIAUTEUR</p> <p>[72] LIU, TUANFANG, CN</p> <p>[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN</p> <p>[22] 2020-12-24</p> <p>[41] 2021-12-29</p> <p>[30] CN (202010607045.0) 2020-06-29</p> <p>[30] CN (20201227124.0) 2020-06-29</p>	

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 [13] A1
 [51] Int.Cl. H05B 6/36 (2006.01) A24F 40/465 (2020.01) H05B 6/10 (2006.01)
 [25] EN
 [54] HIGH-FREQUENCY HEATING DEVICE
 [54] DISPOSITIF DE CHAUFFAGE PAR HAUTE FREQUENCE
 [72] LIU, TUANFANG, CN
 [71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
 [22] 2020-12-24
 [41] 2021-12-29
 [30] CN (202010605464.0) 2020-06-29
 [30] CN (202021227108.1) 2020-06-29

[21] **3,104,117**
 [13] A1
 [51] Int.Cl. H05B 6/36 (2006.01) A24F 40/465 (2020.01) H05B 6/10 (2006.01)
 [25] EN
 [54] HIGH-FREQUENCY HEATING DEVICE
 [54] DISPOSITIF DE CHAUFFAGE PAR HAUTE FREQUENCE
 [72] LIU, TUANFANG, CN
 [71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
 [22] 2020-12-24
 [41] 2021-12-29
 [30] CN (202010607065.8) 2020-06-29
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 [71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
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 [71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
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 [71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
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 [72] LAW, SEAN MING-YIN, US
 [72] ANGEL, KENNETH EDWARD, US
 [71] THE TORONTO-DOMINION BANK, CA
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 [25] EN
 [54] COMPUTER-AUTOMATED SOFTWARE RELEASE AND DEPLOYMENT ARCHITECTURE
 [54] ARCHITECTURE DE DIFFUSION ET DE DEPLOIEMENT DE LOGICIELS AUTOMATISEE PAR ORDINATEUR
 [72] SHTEYMAN, YULY, US
 [72] MELL, JONATHAN M., US
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[54] HANDLE-LOCKING MECHANISM AND DOOR LOCK USING SUCH MECHANISM	[54] LATCH BOLT INSTALLATION STRUCTURE AND DOOR LOCK USING SUCH STRUCTURE	[54] DOOR LOCK WITH HANDLE
[54] MECANISME DE VERROUILLAGE DE POIGNEE ET SERRURE DE PORTE DOTEES DE CE MECANISME	[54] STRUCTURE D'INSTALLATION DE BOULON DE VERROUILLAGE ET SERRURE DE PORTE MUNIE DE LA STRUCTURE	[54] SERRURE DE PORTE AVEC POIGNEE
[72] QIU, JIA SEN, CN	[72] QIU, JIA SEN, CN	[72] QIU, JIA SEN, CN
[71] CMECH (GUANGZHOU) LTD., CN	[71] CMECH (GUANGZHOU) LTD., CN	[71] CMECH (GUANGZHOU) LTD., CN
[22] 2021-03-18	[22] 2021-03-18	[22] 2021-04-12
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[25] EN	[25] EN	[25] EN
[54] MULTI-PHASE VFD SYSTEM WITH FREQUENCY COMPENSATED GROUND FAULT PROTECTION	[54] HARMONY SYMBOL INPUT DEVICE AND METHOD USING DEDICATED CHORD INPUT UNIT	[54] ERGONOMIC DUAL MODE SNIPS
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[54] SYSTEME VARIATEUR DE FREQUENCE (VFD) MULTIPHASE AVEC PROTECTION CONTRE LES DEFAUTS A LA TERRE DE FREQUENCE COMPENSEE	[54] PERIPHERIQUE D'ENTREE DE SYMBOLES D'HARMONIES ET PROCEDE UTILISANT UNE UNITE D'ENTREE DE CORDES SPECIALISEE	[54] CISAILLES ERGONOMIQUES A DEUX MODES
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[72] LEE, TOM LIK-CHUNG, US	[72] PARK, JONG WON, KR	[72] PANOSIAN, MICHAEL, US
[71] NEILSEN-KULJIAN, INC., US	[72] KIM, JUN HO, KR	[72] KEELER, JOSHUA, US
[22] 2021-03-18	[72] KIM, DONG SAM, KR	[71] TOUGH BUILT INDUSTRIES, INC., US
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<p style="text-align: right;">[21] 3,121,999 [13] A1</p> <p>[51] Int.Cl. F41A 35/00 (2006.01) F41B 11/71 (2013.01) H04W 4/021 (2018.01) H04W 4/38 (2018.01) H04W 4/80 (2018.01) F41A 31/00 (2006.01) F41B 11/00 (2013.01) G10K 15/04 (2006.01)</p> <p>[25] EN</p> <p>[54] FIREARM SYSTEM HAVING MONITORING CAPABILITIES</p> <p>[54] SYSTEME D'ARMES A FEU POSSESSANT DES CAPACITES DE SURVEILLANCE</p> <p>[72] HUBATKA, HEIKO, CA</p> <p>[71] HUBATKA, HEIKO, CA</p> <p>[22] 2021-06-11</p> <p>[41] 2022-01-01</p> <p>[30] US (16/946,722) 2020-07-01</p>	<p style="text-align: right;">[21] 3,122,653 [13] A1</p> <p>[51] Int.Cl. D21H 21/20 (2006.01) D21H 17/55 (2006.01) B32B 29/08 (2006.01) B65D 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPROVED CELLULOSE-BASED MATERIALS AND CONTAINERS MADE THEREFROM</p> <p>[54] MATERIAUX AMELIORES A BASE DE CELLULOSE ET CONTENANTS FABRIQUES DE CES MATERIAUX</p> <p>[72] HUSSAIN, SADAKAT, US</p> <p>[72] REGEL, JAMES D., US</p> <p>[71] INTERNATIONAL PAPER COMPANY, US</p> <p>[22] 2021-06-17</p> <p>[41] 2021-12-30</p> <p>[30] US (16/916,411) 2020-06-30</p>	<p style="text-align: right;">[21] 3,122,771 [13] A1</p> <p>[51] Int.Cl. A01C 5/06 (2006.01) A01C 29/04 (2006.01) A01C 7/08 (2006.01)</p> <p>[25] EN</p> <p>[54] SEEDER ROW UNIT HAVING A CLOSING SYSTEM</p> <p>[54] RAYONNEUR DE SEMOIR DOTE D'UN MODE DE FERMETURE</p> <p>[72] KOWALCHUK, TREVOR LAWRENCE, CA</p> <p>[72] THOMPSON, DENNIS GEORGE, CA</p> <p>[71] CNH INDUSTRIAL CANADA, LTD., CA</p> <p>[22] 2021-06-18</p> <p>[41] 2022-01-01</p> <p>[30] US (63/046,967) 2020-07-01</p>
<p style="text-align: right;">[21] 3,122,171 [13] A1</p> <p>[51] Int.Cl. F24F 13/08 (2006.01) F24F 13/06 (2006.01) F24F 13/28 (2006.01)</p> <p>[25] EN</p> <p>[54] AIR GRILLE FOR AN HVAC SYSTEM</p> <p>[54] GRILLE A AIR POUR SYSTEME CVC</p> <p>[72] DYKHUIS, THOMAS J., US</p> <p>[71] CARDINAL IP HOLDING, LLC, US</p> <p>[22] 2021-06-11</p> <p>[41] 2021-12-29</p> <p>[30] US (16/915,638) 2020-06-29</p>	<p style="text-align: right;">[21] 3,122,740 [13] A1</p> <p>[51] Int.Cl. A01C 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] CLOSING SYSTEM FOR A SEEDER ROW UNIT</p> <p>[54] MODE DE FERMETURE D'UN RAYONNEUR DE SEMOIR</p> <p>[72] KOWALCHUK, TREVOR LAWRENCE, CA</p> <p>[72] THOMPSON, DENNIS GEORGE, CA</p> <p>[71] CNH INDUSTRIAL CANADA, LTD., CA</p> <p>[22] 2021-06-18</p> <p>[41] 2022-01-01</p> <p>[30] US (63/046,865) 2020-07-01</p>	<p style="text-align: right;">[21] 3,122,798 [13] A1</p> <p>[51] Int.Cl. C10G 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CONTROLLING HYDROTHERMAL LIQUEFACTION</p> <p>[54] CONTROLE DE LA LIQUEFACTION HYDROTHERMALE</p> <p>[72] JOKELA, PEKKA, FI</p> <p>[72] GUTIERREZ, ANDREA, FI</p> <p>[72] LINDBERG, TEEMU, FI</p> <p>[72] HEESINK, BERT, NL</p> <p>[72] KERSTEN, SASCHA, NL</p> <p>[72] WESTERHOF, ROEL, NL</p> <p>[71] UPM-KYMMENE CORPORATION, FI</p> <p>[22] 2021-06-17</p> <p>[41] 2021-12-26</p> <p>[30] FI (20205680) 2020-06-26</p>

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<p style="text-align: right;">[21] 3,122,894 [13] A1</p> <p>[51] Int.Cl. G01N 21/25 (2006.01) E21B 49/00 (2006.01) G01N 21/27 (2006.01) [25] EN [54] AN APPARATUS AND TEST METHOD FOR TREATMENT FLUID SELECTION [54] APPAREIL ET METHODE D'ESSAI POUR LA SELECTION DU FLUIDE DE TRAITEMENT [72] MONTEIRO, DEEPAK S., US [72] JIN, LUCHAO, US [72] RUSSUM, JAMES P., US [72] ACOSTA, ERICK, US [71] ALCHEMY SCIENCES, INC., US [22] 2021-06-18 [41] 2021-12-26 [30] US (63/044,794) 2020-06-26 [30] US (17/350,139) 2021-06-17</p>		

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<p style="text-align: right;">[21] 3,123,047 [13] A1</p> <p>[51] Int.Cl. H01R 43/04 (2006.01)</p> <p>[25] EN</p> <p>[54] CRIMPING ASSEMBLY, TOOL AND DIE DESIGN</p> <p>[54] ENSEMBLE POUR ONDULATION, CONCEPTION D'OUTILS ET DE MATRICES</p> <p>[72] KELLER, PATRICK J., US</p> <p>[72] MAYO, STEPHEN K., US</p> <p>[72] SCHUTTE, KELLY E., US</p> <p>[72] STRONG, ZACHARY W., US</p> <p>[71] ILSCO CORPORATION, US</p> <p>[22] 2021-06-28</p> <p>[41] 2021-12-26</p> <p>[30] US (63/044,415) 2020-06-26</p>	<p style="text-align: right;">[21] 3,123,183 [13] A1</p> <p>[51] Int.Cl. G01N 24/08 (2006.01) G01R 33/46 (2006.01)</p> <p>[25] EN</p> <p>[54] QUICK NMR METHOD FOR IDENTIFICATION AND ESTIMATION OF COMPONENTS IN HAND-RUB FORMULATIONS</p> <p>[54] METHODE DE RESONANCE MAGNETIQUE NUCLEAIRE RAPIDE POUR DETERMINATION ET ESTIMATION DES COMPOSANTS DES FORMULES DE DESINFECTANT POUR LES MAINS</p> <p>[72] KUMAR, RAVINDRA, IN</p> <p>[72] MONDAL, SUJIT, IN</p> <p>[72] JAYARAJ, CHRISTOPHER, IN</p> <p>[72] KAPUR, GURPREET, IN</p> <p>[72] RAMAKUMAR, SANKARA, IN</p> <p>[71] INDIAN OIL CORPORATION LIMITED, IN</p> <p>[22] 2021-06-24</p> <p>[41] 2022-01-01</p> <p>[30] IN (202021027916) 2020-07-01</p>	<p style="text-align: right;">[21] 3,123,256 [13] A1</p> <p>[51] Int.Cl. F25J 1/02 (2006.01) F25B 9/00 (2006.01) F25B 39/00 (2006.01) F25J 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] LIQUEFACTION SYSTEM</p> <p>[54] SYSTEME DE LIQUEFACTION</p> <p>[72] ROBERTS, MARK JULIAN, US</p> <p>[72] DALLY, JOHN A., US</p> <p>[71] AIR PRODUCTS AND CHEMICALS, INC., US</p> <p>[22] 2021-06-24</p> <p>[41] 2021-12-30</p> <p>[30] US (16/916,918) 2020-06-30</p>
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[54] SYSTEME ET METHODE DE TRAITEMENT DE MOULE
[72] ASAOKA, YASUAKI, JP
[72] OGURA, KAZUNORI, JP
[72] ISHIKAWA, TOSHIYUKI, JP
[72] SUGINO, TAKEHIRO, JP
[71] SINTOKOGIO, LTD., JP
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[54] EXPANSION JOINT PROFILE SYSTEM
[54] SYSTEME DE PROFIL POUR JOINT DE DILATATION
[72] SCHLUTER, WERNER, DE
[71] SCHLUTER SYSTEMS (CANADA) INC., CA
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[54] FIL-ELECTRODE A AME METALLIQUE POUR LES PROCEDES DE SOUDAGE A TAUX DE DEPOT ELEVE
[72] BUNDY, JOSEPH, US
[72] BARHORST, STEVEN, US
[72] THOMAS, SINDHU, US
[72] AMATA, MARIO, US
[71] HOBART BROTHERS LLC, US
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[51] Int.Cl. A61K 9/70 (2006.01) A61K 8/02 (2006.01) A61P 1/02 (2006.01) A61Q 11/00 (2006.01)
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[54] PIECE ADHESIVE A LA CAVITE BUCCALE PRESENTANT UNE STABILITE ET UNE FACILITE D'UTILISATION AMELIOREES
[72] JEONG, YONG-BOEM, KR
[72] BANG, SEONG-EUN, KR
[72] AHN, JAE-HYUN, KR
[71] LG HOUSEHOLD & HEATH CARE LTD., KR
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[54] METHOD FOR FORECASTING HEALTH STATUS OF DISTRIBUTED NETWORKS BY ARTIFICIAL NEURAL NETWORKS
[54] METHODE DE PREVISION DE L'ETAT DE FONCTIONNEMENT DES RESEAUX DISTRIBUES PAR DES RESEAUX NEURONAUX ARTIFICIELS
[72] CARCANO, ANDREA, IT
[72] CARULLO, MORENO, IT
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[25] EN
[54] TIME DIVISION DUPLEX (TDD) NETWORK PROTECTION REPEATER
[54] REPETEUR DE PROTECTION DE RESEAU A DUPLEXAGE PAR REPARTITION DANS LE TEMPS (DRT)
[72] ASHWORTH, CHRISTOPHER KEN, US
[72] ANDERSON, DALE ROBERT, US
[72] PATEL, ILESH, V., US
[71] WILSON ELECTRONICS, LLC., US
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[54] MULTIMEDIA COMPOSITING AND STORAGE MANAGEMENT SYSTEM
[54] COMPOSITION D'IMAGES MULTIMEDIA ET SYSTEME DE GESTION DE LA MEMOIRE
[72] KELLY, ROSS HAYDEN, ZA
[72] CHAILLET, QUENTIN MAXIME, EE
[71] FUSION HOLDINGS LIMITED, IM
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<p>[21] 3,123,390 [13] A1</p> <p>[51] Int.Cl. H04W 76/27 (2018.01) H04W 56/00 (2009.01) H04W 72/04 (2009.01)</p> <p>[25] EN</p> <p>[54] CONFIGURATION FOR WIRELESS COMMUNICATION IN INACTIVE OR IDLE STATES</p> <p>[54] CONFIGURATION POUR COMMUNICATION SANS FIL EN ETAT INACTIF OU DE REPOS</p> <p>[72] JEON, HYOUNGSUK, US</p> <p>[72] DINAN, ESMAEL HEJAZI, US</p> <p>[72] KIM, TAEHUN, US</p> <p>[72] PARK, KYUNGMIN, US</p> <p>[72] YI, YUNJUNG, US</p> <p>[72] ZHOU, HUA, US</p> <p>[71] COMCAST CABLE COMMUNICATIONS, LLC, US</p> <p>[22] 2021-06-25</p> <p>[41] 2021-12-26</p> <p>[30] US (63/044,538) 2020-06-26</p>
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<p>[21] 3,123,395 [13] A1</p> <p>[51] Int.Cl. H04N 21/235 (2011.01) H04N 21/2362 (2011.01) H04N 21/6543 (2011.01) H04N 19/467 (2014.01)</p> <p>[25] EN</p> <p>[54] METADATA MANIPULATION</p> <p>[54] MANIPULATION DE METADONNEES</p> <p>[72] FRANZ, JOSEPH, US</p> <p>[72] GARG, DHURV, US</p> <p>[71] COMCAST CABLE COMMUNICATIONS, LLC, US</p> <p>[22] 2021-06-25</p> <p>[41] 2021-12-26</p> <p>[30] US (16/913,529) 2020-06-26</p>

<p>[21] 3,123,403 [13] A1</p> <p>[51] Int.Cl. A47C 31/00 (2006.01) A47C 7/62 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE FOR INSTALLING OR REMOVING A SEAT COVER</p> <p>[54] DISPOSITIF POUR INSTALLER OU ENLEVER UNE HOUSSE DE SIEGE</p> <p>[72] ROULEAU, MARTIN, CA</p> <p>[71] ROULEAU, MARTIN, CA</p> <p>[22] 2021-06-28</p> <p>[41] 2021-12-26</p> <p>[30] US (63/044,826) 2020-06-26</p>
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<p>[21] 3,123,424 [13] A1</p> <p>[51] Int.Cl. G06F 17/00 (2019.01) G06F 40/274 (2020.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD OF CONTENT RECOMMENDATION</p> <p>[54] SYSTEME ET METHODE DE RECOMMANDATION DE CONTENU</p> <p>[72] SENNIK, HANNAH, CA</p> <p>[72] KUGANESAN, ABIRAMY, CA</p> <p>[71] REKAMMEND INC., CA</p> <p>[22] 2021-06-25</p> <p>[41] 2021-12-26</p> <p>[30] US (63/044,469) 2020-06-26</p>

<p>[21] 3,123,429 [13] A1</p> <p>[51] Int.Cl. H04M 1/76 (2006.01) H04M 11/06 (2006.01)</p> <p>[25] EN</p> <p>[54] CIRCUITRY FOR DEMARCTION DEVICES AND METHODS UTILIZING SAME</p> <p>[54] CIRCUITS POUR DISPOSITIFS DE DEMARCTION ET METHODES LES UTILISANT</p> <p>[72] IWASAKI, SEAN, US</p> <p>[71] IWASAKI, SEAN, US</p> <p>[22] 2021-06-29</p> <p>[41] 2021-12-30</p> <p>[30] US (16/917,475) 2020-06-30</p>
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<p>[21] 3,123,435 [13] A1</p> <p>[51] Int.Cl. H02G 3/04 (2006.01) H02G 3/34 (2006.01)</p> <p>[25] EN</p> <p>[54] PROTECTIVE SKIRT FOR TELECOMMUNICATIONS CABLES</p> <p>[54] CARENAGE DE PROTECTION POUR CABLES DE TELECOMMUNICATIONS</p> <p>[72] CASTLEBERRY, NATHAN GRANT, US</p> <p>[72] RODRIGUEZ, DIANA, US</p> <p>[72] STEWART, MITCHELL HAROLD, US</p> <p>[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US</p> <p>[22] 2021-06-29</p> <p>[41] 2021-12-29</p> <p>[30] US (63/045,391) 2020-06-29</p>
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<p style="text-align: right;">[21] 3,123,495</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G07F 9/00 (2006.01) H04W 4/80 (2018.01) G07F 7/08 (2006.01) H04B 5/00 (2006.01) H04L 12/28 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD OF NEAR FIELD COMMUNICATION CONTROL FOR VENDING MACHINES</p> <p>[54] SYSTEME ET METHODE DE CONTROLE DE COMMUNICATION EN CHAMP PROCHE POUR DISTRIBUTEURS AUTOMATIQUES</p> <p>[72] AURELIA, JASON, US</p> <p>[72] CUMMINS, JEFFREY, US</p> <p>[71] THE COCA-COLA COMPANY, US</p> <p>[22] 2021-06-28</p> <p>[41] 2021-12-28</p> <p>[30] US (63/045168) 2020-06-28</p>	<p style="text-align: right;">[21] 3,123,505</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H02G 3/22 (2006.01) H01F 27/04 (2006.01) H02B 1/28 (2006.01)</p> <p>[25] EN</p> <p>[54] HIGH-VOLTAGE FEEDTHROUGH, AND ELECTRICAL HIGH-VOLTAGE DEVICE WITH HIGH-VOLTAGE FEEDTHROUGH</p> <p>[54] TRAVERSEE A HAUTE TENSION, ET APPAREIL ELECTRIQUE A HAUTE TENSION AVEC TRAVERSEE A HAUTE TENSION</p> <p>[72] LANGENS, ACHIM, DE</p> <p>[71] SIEMENS AKTIENGESELLSCHAFT, DE</p> <p>[22] 2021-06-28</p> <p>[41] 2021-12-30</p> <p>[30] EP (20183182.3) 2020-06-30</p>	<p style="text-align: right;">[21] 3,123,541</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A43C 15/06 (2006.01) A43C 15/02 (2006.01)</p> <p>[25] EN</p> <p>[54] MIDSOLE TRACTION DEVICE</p> <p>[54] DISPOSITIF DE TRACTION POUR SEMELLES INTERCALAIRES</p> <p>[72] DECAIRE, RYAN, CA</p> <p>[71] GEROLINE INC., CA</p> <p>[22] 2021-06-29</p> <p>[41] 2021-12-30</p> <p>[30] US (63/046124) 2020-06-30</p>
<p style="text-align: right;">[21] 3,123,496</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E04B 7/18 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTIPLE ROOF CURBS FOR SUPPORTING A ROOFTOP MECHANICAL UNIT</p> <p>[54] REBORDS DE TOIT MULTIPLES POUR SUPPORTER UNE UNITE MECANIQUE SUR LE TOIT</p> <p>[72] ROGERS, BARRY A., US</p> <p>[72] MORRIS, JEFFREY J., US</p> <p>[72] SESTAK, ALEX, US</p> <p>[71] AUSTIN BUILDING AND DESIGN INC., US</p> <p>[22] 2021-06-17</p> <p>[41] 2021-12-30</p> <p>[30] US (17/336,819) 2021-06-02</p> <p>[30] US (63/046,005) 2020-06-30</p>	<p style="text-align: right;">[21] 3,123,522</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G07C 5/08 (2006.01) G06N 20/00 (2019.01) B60R 21/013 (2006.01) G06Q 40/08 (2012.01)</p> <p>[25] EN</p> <p>[54] COLLISION ANALYSIS PLATFORM USING MACHINE LEARNING TO REDUCE GENERATION OF FALSE COLLISION OUTPUTS</p> <p>[54] PLATEFORME D'ANALYSE DES COLLISIONS A BASE D'APPRENTISSAGE AUTOMATIQUE POUR REDUIRE LA PRODUCTION DE FAUSSES DONNEES DE COLLISION</p> <p>[72] TAMMALI, VENU MADHAV, US</p> <p>[72] SCHMITT, KYLE PATRICK, US</p> <p>[72] DERAM, JEREMY, US</p> <p>[71] ALLSTATE INSURANCE COMPANY, US</p> <p>[22] 2021-06-28</p> <p>[41] 2021-12-26</p> <p>[30] US (16/912,826) 2020-06-26</p>	<p style="text-align: right;">[21] 3,123,550</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B29C 44/12 (2006.01) A63B 71/12 (2006.01) B29C 45/14 (2006.01)</p> <p>[25] EN</p> <p>[54] CUSTOMIZABLE KNEE PADS AND PROCESS OF FORMING THE SAME</p> <p>[54] GENOUILLERES PERSONNALISABLES ET LEUR PROCEDE DE FABRICATION</p> <p>[72] PANOSIAN, MICHAEL H., US</p> <p>[72] KEELER, JOSHUA, US</p> <p>[71] TOUGH BUILT INDUSTRIES, INC., US</p> <p>[22] 2021-06-29</p> <p>[41] 2021-12-30</p> <p>[30] US (16/916,891) 2020-06-30</p>
		<p style="text-align: right;">[21] 3,123,559</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E04D 1/18 (2006.01) E04D 13/10 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPROVED METAL SHINGLE AND SNOW GUARD APPARATUS</p> <p>[54] BARDEAUX EN METAL AMELIORES ET GARDE-NEIGE</p> <p>[72] WENZEL, MARK, CA</p> <p>[72] EVANS, CHARLES, CA</p> <p>[71] I.E.L. MANUFACTURING LTD., CA</p> <p>[22] 2021-06-30</p> <p>[41] 2021-12-30</p> <p>[30] US (63/046,096) 2020-06-30</p> <p>[30] US (63/061,535) 2020-08-05</p>

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<p>[21] 3,123,560 [13] A1</p> <p>[51] Int.Cl. A47J 37/07 (2006.01) F23J 1/02 (2006.01) F24B 1/191 (2006.01) F24B 13/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ASH MANAGEMENT SYSTEM</p> <p>[54] SYSTEME DE GESTION DES CENDRES</p> <p>[72] CHOI, DANIEL S., US</p> <p>[72] COX, AARON C., US</p> <p>[72] SLATER, OWEN A., US</p> <p>[72] FLYNN, MIA, US</p> <p>[71] GHP GROUP, INC., US</p> <p>[22] 2021-06-30</p> <p>[41] 2022-01-01</p> <p>[30] US (16/918,021) 2020-07-01</p>
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<p>[21] 3,123,562 [13] A1</p> <p>[51] Int.Cl. B01D 65/02 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF CLEANING FILTER MEMBRANES IN WASTEWATER TREATMENT</p> <p>[54] METHODES DE NETTOYAGE DES MEMBRANES FILTRANTES DANS LE TRAITEMENT DES EAUX USEES</p> <p>[72] AUMAN, TREVOR, US</p> <p>[71] OVIVO INC., CA</p> <p>[22] 2021-06-30</p> <p>[41] 2022-01-01</p> <p>[30] US (63/047,097) 2020-07-01</p> <p>[30] US (17/304,935) 2021-06-28</p>
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<p>[21] 3,123,653 [13] A1</p> <p>[51] Int.Cl. G01G 23/01 (2006.01) E21B 41/00 (2006.01) E21B 43/267 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR METERING PROPPANT</p> <p>[54] METHODE ET SYSTEME DE DOSAGE D'AGENT DE SOUTENEMENT</p> <p>[72] HINDMAN, JARED, US</p> <p>[72] RICHMOND, ROY, US</p> <p>[71] HI-CRUSH CANADA INC., US</p> <p>[22] 2021-06-29</p> <p>[41] 2021-12-30</p> <p>[30] US (16/916,662) 2020-06-30</p>
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<p>[21] 3,123,660 [13] A1</p> <p>[51] Int.Cl. A45D 26/00 (2006.01)</p> <p>[25] EN</p> <p>[54] A BODY WAX APPLICATOR FOR BODY WAX AND A SYSTEM THEREFOR</p> <p>[54] APPLICATEUR DE CIRE POUR LE CORPS POUR CIRE POUR LE CORPS ET SYSTEME CONNEXE</p> <p>[72] CICHON, KRISTINA MICHELLE, NZ</p> <p>[71] CATELLE LIMITED, NZ</p> <p>[22] 2021-06-29</p> <p>[41] 2021-12-30</p> <p>[30] NZ (765786) 2020-06-30</p>
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<p>[21] 3,123,662 [13] A1</p> <p>[51] Int.Cl. A47L 1/08 (2006.01) A47L 13/11 (2006.01) A47L 13/26 (2006.01)</p> <p>[25] EN</p> <p>[54] CLEANING IMPLEMENT</p> <p>[54] APPAREIL DE NETTOYAGE</p> <p>[72] BEAUDRY, JONATHAN, CA</p> <p>[71] BEAUDRY, JONATHAN, CA</p> <p>[22] 2021-06-28</p> <p>[41] 2022-01-01</p> <p>[30] GB (2010105.1) 2020-07-01</p>
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<p>[21] 3,123,663 [13] A1</p> <p>[51] Int.Cl. E04C 2/24 (2006.01) B32B 3/14 (2006.01) B32B 5/26 (2006.01) B32B 5/28 (2006.01) B32B 37/00 (2006.01) E04C 2/02 (2006.01)</p> <p>[25] EN</p> <p>[54] STRUCTURAL BUILDING PANELS AND PANEL COMPONENTS, PANEL ASSEMBLIES, METHODS OF MAKING, AND METHODS OF USING</p> <p>[54] PANNEAUX DE BATIMENT STRUCTURAUX ET COMPOSANTES DE PANNEAU, ASSEMBLAGES DE PANNEAUX, METHODES DE FABRICATION ET METHODES D'UTILISATION</p> <p>[72] SCHIFFMAN, GLENN P., US</p> <p>[72] SCHIFFMAN, GERHARD P., US</p> <p>[72] MILLIS, MICHAEL JUSTIN, US</p> <p>[71] COMPOSITE PANEL SYSTEMS, LLC, US</p> <p>[22] 2021-06-29</p> <p>[41] 2022-01-01</p> <p>[30] US (63/102,782) 2020-07-01</p> <p>[30] US (17/300,417) 2021-06-23</p>
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<p>[21] 3,123,665 [13] A1</p> <p>[51] Int.Cl. G01N 21/27 (2006.01) C13B 20/00 (2011.01) G06Q 50/00 (2012.01)</p> <p>[25] EN</p> <p>[54] SUPPORTING METHOD, PRODUCING METHOD, PROGRAM AND SUPPORTING DEVICE</p> <p>[54] METHODE D'ACCOMPAGNEMENT, METHODE DE PRODUCTION, PROGRAMME ET DISPOSITIF D'ACCOMPAGNEMENT</p> <p>[72] HOTTA, DAISUKE, JP</p> <p>[72] SUGA, YUKI, JP</p> <p>[72] HASHIMOTO, TOMOTAKA, JP</p> <p>[72] KUBOTA, NOBORU, JP</p> <p>[71] ASAHI KASEI KABUSHIKI KAISHA, JP</p> <p>[22] 2021-06-30</p> <p>[41] 2021-12-30</p> <p>[30] JP (2020-113514) 2020-06-30</p>

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[21] 3,123,755

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 - [25] EN
 - [54] IMPACT-TRIGGERED FLOTATION TOOL
 - [54] OUTIL DE FLOTTAISON DECLENCHE PAR L'IMPACT
 - [72] HARRIS, MICHAEL, US
 - [72] ANTON, KENNETH, US
 - [72] GOODMAN, BRANDON, US
 - [71] RUBICON OILFIELD INTERNATIONAL, INC., US
 - [22] 2021-06-30
 - [41] 2021-12-30
 - [30] US (16/917,235) 2020-06-30
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[21] 3,123,760

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- [51] Int.Cl. H04W 72/04 (2009.01)
- [25] EN
- [54] BEAM INDICATION FOR WIRELESS DEVICES
- [54] INDICATION DES FAISCEAUX POUR LES APPAREILS SANS FIL
- [72] XU, KAI, US
- [72] DINAN, ESMAEL HEJAZI, US
- [72] ZHOU, HUA, US
- [72] YI, YUNJUNG, US
- [72] CIRIK, ALI CAGATAY, US
- [72] PARK, JONGHYUN, US
- [71] COMCAST CABLE COMMUNICATIONS, LLC, US
- [22] 2021-06-30
- [41] 2021-12-30
- [30] US (63/046,355) 2020-06-30

[21] 3,123,770

[13] A1

- [51] Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) G09B 29/00 (2006.01)
 - [25] EN
 - [54] IMPLEMENT MOUNTED SENSORS SENSING SURFACE/FURROW CHARACTERISTICS AND CONTROL
 - [54] CAPTEURS INSTALLEES SUR UN APPAREIL DETECTANT LES CARACTERISTIQUES DE SURFACE/SILLON ET CONTROLE
 - [72] HUBNER, CARY S., US
 - [72] DARR, MATTHEW J., US
 - [72] BORGSTADT, JUSTIN, US
 - [72] JUST, JOHN P., US
 - [71] DEERE & COMPANY, US
 - [71] IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
 - [22] 2021-07-02
 - [41] 2022-01-01
 - [30] US (16/918,293) 2020-07-01
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[21] 3,123,792

[13] A1

- [51] Int.Cl. G06N 20/00 (2019.01) G06F 40/20 (2020.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR DIVERSE KEYPHRASE GENERATION WITH NEURAL UNLIKELYHOOD TRAINING
- [54] SYSTEMES ET METHODES POUR LA PRODUCTION DE DIVERSES EXPRESSIONS-CLES AVEC ENTRAINEMENT NEURONAL FONDE SUR L'IMPROBABILITE
- [72] BAHULEYAN, HAREESH PALLIKARA, CA
- [72] EL ASRI, LAYLA, CA
- [71] ROYAL BANK OF CANADA, CA
- [22] 2021-06-30
- [41] 2021-12-30
- [30] US (63/046,174) 2020-06-30

[21] 3,123,796

[13] A1

- [51] Int.Cl. H01Q 9/04 (2006.01) H01Q 1/38 (2006.01) H01Q 15/14 (2006.01) H01Q 21/24 (2006.01)
 - [25] EN
 - [54] ANTENNA WITH TILTED BEAM FOR USE ON ANGLED SURFACES
 - [54] ANTENNE AVEC FAISCEAU INCLINE DESTINEE A ETRE UTILISEE SUR DES SURFACES INCLINEES
 - [72] JAHROMI, ALIREZA GHARAATI, CA
 - [72] MOSLEMI, MOHAMMAD SAEID GHAFFARIAN, CA
 - [72] BOROUJENI, RASHID MIRZAVAND, CA
 - [71] NOVATEL INC., CA
 - [22] 2021-06-30
 - [41] 2021-12-30
 - [30] US (63/046,382) 2020-06-30
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[21] 3,123,803

[13] A1

- [51] Int.Cl. B65D 30/22 (2006.01) B29C 65/08 (2006.01)
- [25] EN
- [54] POUCH WITH FRANGIBLE SEAL FORMED BY ULTRASONIC SEALING AND METHODS OF FORMING THEREOF
- [54] POCHE COMPORtant UN JOINT DESTRUCTIBLE FORME PAR SCELLAGE ULTRASONIQUE ET METHODES DE FORMATION
- [72] MURRAY, R. CHARLES, US
- [72] KNOWLES, CHRISTOPHER, US
- [71] PPI TECHNOLOGIES GLOBAL, LLC, US
- [22] 2021-07-02
- [41] 2022-01-01
- [30] US (63/047,032) 2020-07-01

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<p style="text-align: right;">[21] 3,123,810</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B60T 7/08 (2006.01)</p> <p>[25] EN</p> <p>[54] PARKING BRAKE DEVICE</p> <p>[54] DISPOSITIF DE FREIN DE STATIONNEMENT</p> <p>[72] WADA, KENICHI, JP</p> <p>[72] MASUDA, SATORU, JP</p> <p>[72] SUGIYAMA, TOMOYA, JP</p> <p>[72] KUBONIWA, KOICHI, JP</p> <p>[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP</p> <p>[22] 2021-06-21</p> <p>[41] 2021-12-30</p> <p>[30] JP (2020-112546) 2020-06-30</p> <hr/>	<p style="text-align: right;">[21] 3,134,152</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C10G 1/04 (2006.01) B01D 21/01 (2006.01) B03D 1/08 (2006.01) B03D 1/10 (2006.01) B03D 1/12 (2006.01)</p> <p>[25] EN</p> <p>[54] OIL SAND TAILINGS TREATMENT USING A FLOCCULANT, BINDER, COAGULANT, AND DEWATERING</p> <p>[54] TRAITEMENT DES RESIDUS DE SABLES BITUMINEUX A L'AIDE D'UN FLOCULANT, D'UN LIANT, D'UN COAGULANT ET DE LA DESHYDRATATION</p> <p>[72] MOUSSAVI NIK, REZA, CA</p> <p>[72] SAKUHUNI, GIVEMORE, CA</p> <p>[72] CAVANAGH, PAUL, CA</p> <p>[72] ZAHABI, ATOOSA, CA</p> <p>[71] IMPERIAL OIL RESOURCES LIMITED, CA</p> <p>[22] 2021-10-13</p> <p>[41] 2021-12-27</p> <hr/>	<p style="text-align: right;">[21] 3,135,233</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B23P 19/06 (2006.01) B25B 23/14 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS, SYSTEMS AND KITS FOR LOOSENING AND RETORQUING HYDRAULIC CYLINDER PISTON-RETAINING NUTS</p> <p>[54] APPAREILS, SYSTEMES ET TROUSSES POUR DESSERRER ET RESSERRER LES ECROUS DE RETENUE DU PISTON DU VERIN HYDRAULIQUE</p> <p>[72] BISHELL, JASON, CA</p> <p>[71] 1403871 ALBERTA DBA J4 HEAVY EQUIPMENT REPAIR, CA</p> <p>[22] 2021-10-21</p> <p>[41] 2021-12-31</p> <p>[30] US (17/505,933) 2021-10-20</p> <hr/>
<p style="text-align: right;">[21] 3,124,034</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B25B 13/06 (2006.01)</p> <p>[25] EN</p> <p>[54] SOCKET DRIVE IMPROVEMENT</p> <p>[54] AMELIORATION DE DOUILLE</p> <p>[72] EGGERT, DANIEL M., US</p> <p>[72] THOMPSON, CHRISTOPHER D., US</p> <p>[72] OLSON, GENE E., US</p> <p>[72] ARENDT, JEFFREY M., US</p> <p>[71] SNAP-ON INCORPORATED, US</p> <p>[22] 2021-06-28</p> <p>[41] 2022-01-01</p> <p>[30] US (16/918,712) 2020-07-01</p> <hr/>	<p style="text-align: right;">[21] 3,124,038</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B25B 13/06 (2006.01)</p> <p>[25] EN</p> <p>[54] SOCKET DRIVE IMPROVEMENT</p> <p>[54] AMELIORATION DE DOUILLE</p> <p>[72] ARENDT, JEFFREY M., US</p> <p>[72] EGGERT, DANIEL M., US</p> <p>[72] OLSON, GENE E., US</p> <p>[72] THOMPSON, CHRISTOPHER D., US</p> <p>[71] SNAP-ON INCORPORATED, US</p> <p>[22] 2021-06-29</p> <p>[41] 2022-01-01</p> <p>[30] US (16/918,712) 2020-07-01</p> <hr/>	<p style="text-align: right;">[21] 3,134,225</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F21K 9/69 (2016.01) F21K 9/232 (2016.01) F21K 9/66 (2016.01) H05B 47/00 (2020.01) F21V 31/04 (2006.01)</p> <p>[25] EN</p> <p>[54] DECORATIVE BULB WITH INNER LENS</p> <p>[54] AMPOULE DECORATIVE AVEC LENTILLE INTERNE</p> <p>[72] LIN, XIONGZHONG, CN</p> <p>[72] LIU, YAO, CN</p> <p>[71] ZHANGZHOU GO WIN LIGHTING CO., LTD, CN</p> <p>[22] 2021-10-13</p> <p>[41] 2021-12-27</p>

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[13] A1

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16/02 (2006.01)
[25] EN
[54] SWITCH IDENTIFICATION
CIRCUIT AND ELECTRIC
DEVICE
[54] CIRCUIT D'IDENTIFICATION DE
COMMUTATEUR ET DISPOSITIF
ELECTRIQUE
[72] LEI, YUN, CN
[72] ZHANG, ZHIFENG, CN
[72] LIN, JIANPING, CN
[72] CHEN, CHANGXI, CN
[71] SHENZHEN CARKU TECHNOLOGY
CO., LIMITED, CN
[85] 2021-09-15
[86] 2020-07-20 (PCT/CN2020/103039)
[87] (3126465)
[30] CN (20201060567.3) 2020-06-29
[30] CN (202021246478.X) 2020-06-29
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[21] **3,134,997**
[13] A1

- [51] Int.Cl. E05B 81/12 (2014.01) E05B
47/00 (2006.01)
[25] EN
[54] METHOD FOR UNLOCKING
VEHICLE DOOR USING MOBILE
TERMINAL
[54] METHODE POUR
DEVERROUILLER LA PORTE
D'UN VEHICULE EN UTILISANT
UN TERMINAL MOBILE
[72] KIM, KYUNG DONG, KR
[71] ALINK CO., LTD., KR
[85] 2021-10-19
[86] 2021-06-28 (PCT/KR2021/008121)
[87] (3134997)
[30] KR (10-2020-0079340) 2020-06-29
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[21] **3,141,173**
[13] A1

- [51] Int.Cl. F16B 47/00 (2006.01) A47G
29/08 (2006.01) F16M 13/02 (2006.01)
[25] EN
[54] CONNECTING DEVICE FOR
RELEASEABLY CONNECTING
TWO FUNCTIONAL GROUPS
[54] DISPOSITIF DE CONNEXION
POUR CONNECTER DE MANIERE
AMOVIBLE DEUX GROUPES
FONCTIONNELS
[72] BLECKAT, BJORN, DE
[72] HILLER, LASSE, DE
[72] PANKOKE, OLIVER, DE
[72] BOTKUS, BREIDO, DE
[72] FIEDLER, JOACHIM, DE
[71] FIDLOCK GMBH, DE
[85] 2021-11-30
[86] 2020-10-06 (PCT/EP2020/077998)
[87] (3141173)
[30] DE (10 2020 207 983.8) 2020-06-26
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[21] **3,142,337**
[13] A1

- [51] Int.Cl. C07H 19/10 (2006.01) A61K
47/64 (2017.01)
[25] EN
[54] UNA AMIDITES AND USES
THEREOF
[54] AMIDITES D'UNA ET LEURS
UTILISATIONS
[72] DOPPALAPUDI, VENKATA
RAMANA, US
[72] COCHRAN, MICHAEL CARAMIAN,
US
[71] AVIDITY BIOSCIENCES, INC., US
[85] 2021-11-30
[86] 2020-06-05 (PCT/US2020/036420)
[87] (WO2020/247818)
[30] US (62/858,289) 2019-06-06

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[13] A1

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A61K 39/00 (2006.01) A61P 21/00
(2006.01) A61P 43/00 (2006.01)
[25] EN
[54] METHODS OF REJUVENATING
AGED TISSUE BY INHIBITING 15-
HYDROXYPROSTAGLANDIN
DEHYDROGENASE (15-PGDH)
[54] METHODES DE
RAJEUNISSEMENT DE TISSUS
AGES PAR L'INHIBITION DE LA
15-HYDROXYPROSTAGLANDINE
DESHYDROGENASE (15-PGDH)
[72] BLAU, HELEN M., US
[72] PALLA, ADELAIDA ROSA, US
[72] HO, ANDREW TRI VAN, US
[71] THE BOARD OF TRUSTEES OF THE
LELAND STANFORD JUNIOR
UNIVERSITY, US
[85] 2021-11-30
[86] 2020-06-11 (PCT/US2020/037207)
[87] (WO2020/252146)
[30] US (62/860,180) 2019-06-11
[30] US (62/875,915) 2019-07-18
[30] US (62/882,981) 2019-08-05
[30] US (62/883,025) 2019-08-05

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[13] A1

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- [25] EN
- [54] MODIFIED RELEASE FORMULATIONS AND USES THEREOF
- [54] FORMULATIONS A LIBERATION MODIFIEE ET UTILISATIONS ASSOCIEES
- [72] ASADA, TAKUMI, JP
- [72] GALLUPPI, GERALD R., US
- [72] HOPKINS, SETH CABOT, US
- [72] MARUYAMA, MEGUMI, JP
- [72] TOONGSUWAN, SIRIPORN, US
- [72] TSUSHIMA, YUKI, JP
- [71] SUNOVION PHARMACEUTICALS INC., US
- [85] 2021-11-30
- [86] 2020-06-04 (PCT/US2020/036118)
- [87] (WO2020/247627)
- [30] US (62/856,952) 2019-06-04
- [30] US (62/872,623) 2019-07-10
- [30] US (62/944,023) 2019-12-05

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- [51] Int.Cl. A61K 39/00 (2006.01) A61K 35/17 (2015.01) A61K 31/635 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] COMBINATION THERAPY OF A CELL-MEDIATED CYTOTOXIC THERAPY AND AN INHIBITOR OF A PROSURVIVAL BCL2 FAMILY PROTEIN
- [54] COMBINAISON THERAPEUTIQUE D'UNE THERAPIE CYTOTOXIQUE A MEDIATION CELLULAIRE ET D'UN INHIBITEUR D'UNE PROTEINE DE LA FAMILLE BCL2 PRO-SURVIE
- [72] PORTS, MICHAEL, US
- [72] THOMAS, EVAN PAUL, US
- [72] AMIN, RUPESH, US
- [72] DUBOVSKY, JASON, US
- [72] DUBOWY, RONALD, US
- [72] BRAHMANDAM, ARCHANA, US
- [71] JUNO THERAPEUTICS, INC., US
- [85] 2021-11-30
- [86] 2020-06-11 (PCT/US2020/037333)
- [87] (WO2020/252218)
- [30] US (62/860,748) 2019-06-12
- [30] US (62/890,594) 2019-08-22

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[13] A1

- [51] Int.Cl. H01Q 13/08 (2006.01) H01Q 9/16 (2006.01) H01Q 9/40 (2006.01)
- [25] EN
- [54] META-STRUCTURE BASED REFLECTARRAYS FOR ENHANCED WIRELESS APPLICATIONS
- [54] RESEAUX REFLECTEURS BASES SUR UNE META-STRUCTURE POUR APPLICATIONS SANS FIL AMELIOREES
- [72] SHAHVIRDI DIZAJ YEKAN, TAHA, US
- [72] ACHOUR, MAHA, US
- [71] METAWAVE CORPORATION, US
- [85] 2021-11-30
- [86] 2020-06-01 (PCT/US2020/035615)
- [87] (WO2020/243726)
- [30] US (62/855,688) 2019-05-31
- [30] US (16/551,361) 2019-08-26

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- [51] Int.Cl. C12Q 1/70 (2006.01)
- [25] EN
- [54] AIRBORNE PATHOGEN SIMULANTS AND MOBILITY TESTING
- [54] SIMULANTS D'AGENTS PATHOGENES EN SUSPENSION DANS L'AIR ET TEST DE MOBILITE
- [72] HODGES, ULRIKE W., US
- [72] CHOU, QUIN, US
- [72] MALMSTROM, ERIC, US
- [72] ARNOLD, PHIL M., US
- [71] SAFETRACES, INC., US
- [85] 2021-11-30
- [86] 2021-04-15 (PCT/US2021/027495)
- [87] (WO2021/242431)
- [30] US (63/011,176) 2020-04-16
- [30] US (63/066,076) 2020-08-14

[21] 3,142,371
[13] A1

- [51] Int.Cl. A61F 2/24 (2006.01)
- [25] EN
- [54] PROSTHETIC HEART VALVE
- [54] VALVULE CARDIAQUE PROTHETIQUE
- [72] GUROVICH, NIKOLAY, IL
- [71] EDWARDS LIFESCIENCES CORPORATION, US
- [85] 2021-11-30
- [86] 2021-04-06 (PCT/US2021/025869)
- [87] (WO2021/207123)
- [30] US (63/006,190) 2020-04-07

[21] 3,142,375
[13] A1

- [51] Int.Cl. B29C 48/00 (2019.01) B29C 48/10 (2019.01) B29C 48/90 (2019.01) B29C 55/28 (2006.01)
- [25] EN
- [54] DEVICE FOR GUIDING A FILM TUBE
- [54] DISPOSITIF DE GUIDAGE D'UN FILM TUBULAIRE
- [72] ZIMMERMANN, RICHARD, DE
- [71] KDESIGN GMBH, DE
- [85] 2021-12-01
- [86] 2019-06-03 (PCT/EP2019/064386)
- [87] (WO2020/244737)

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[13] A1

- [51] Int.Cl. A23G 1/52 (2006.01) A23G 3/52 (2006.01) A23G 4/18 (2006.01) A23G 9/46 (2006.01) A23C 13/12 (2006.01) A23F 5/24 (2006.01) A23L 2/40 (2006.01)
- [25] EN
- [54] METHOD OF PRODUCING GAS HYDRATES, SLURRY COMPRISING GAS HYDRATES, USES OF GAS HYDRATES AND POROUS POWDERS OBTAINED BY SAID METHOD
- [54] PROCEDE DE PRODUCTION D'HYDRATES GAZEUX, SUSPENSION CONTENANT DES HYDRATES GAZEUX, UTILISATIONS D'HYDRATES GAZEUX ET POUDRES POREUSES OBTENUES PAR LEDIT PROCEDE
- [72] WINDHAB, ERICH, CH
- [72] □EDIVA, ZUZANA, CH
- [72] SEDIVA, ZUZANA, CH
- [71] ETH ZURICH, CH
- [85] 2021-12-01
- [86] 2020-05-29 (PCT/EP2020/000105)
- [87] (WO2020/244796)
- [30] EP (19020368.7) 2019-06-05

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[13] A1

[51] Int.Cl. C05G 3/40 (2020.01) C05G 3/20 (2020.01) C05G 5/30 (2020.01) C05C 9/00 (2006.01)
[25] EN
[54] CONTROLLED-RELEASE FERTILIZER COMPOSITIONS
[54] COMPOSITIONS D'ENGRAIS A LIBERATION CONTROLEE
[72] OWUSU-ADOM, KWAME, US
[71] OMS INVESTMENTS, INC., US
[85] 2021-11-30
[86] 2020-06-04 (PCT/US2020/036202)
[87] (WO2020/247687)
[30] US (62/857,506) 2019-06-05

[21] 3,142,474
[13] A1

[51] Int.Cl. C12N 9/10 (2006.01) G01N 33/50 (2006.01)
[25] EN
[54] A CHEMOENZYMATIC METHOD FOR THE DETECTION OF CELL-CELL PROXIMITY
INTERACTION AND ISOLATION OF TUMOR-SPECIFIC ANTIGEN REACTIVE T CELLS FOR IMMUNE THERAPY
[54] PROCEDE CHIMIO-ENZYMATIQUE POUR LA DETECTION D'INTERACTION DE PROXIMITE CELLULE-CELLULE ET L'ISOLEMENT DE LYMPHOCYTES T REACTIFS A UN ANTIGENE SPECIFIQUE D'UNE TUMEUR POUR UNE THE RAPIE IMMUNITAIRE

[72] WU, PENG, US
[72] LIU, ZILEI, US
[72] LI, JIE, US
[72] TEIJARO, JOHN, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2021-12-01
[86] 2020-06-03 (PCT/US2020/035940)
[87] (WO2020/247510)
[30] US (62/856,551) 2019-06-03
[30] US (62/990,383) 2020-03-16

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[25] EN
[54] COT MODULATORS AND METHODS OF USE THEREOF
[54] MODULATEURS DE COT ET LEURS PROCEDES D'UTILISATION
[72] CANALES, EDA Y., US
[72] DESAI, MANOJ C., US
[72] GORMAN, ERIC, US
[72] LI, JIAYAO, US
[72] SAITO, ROLAND D., US
[72] TAYLOR, JAMES G., US
[72] WRIGHT, NATHAN E., US
[71] GILEAD SCIENCES, INC., US
[85] 2021-12-01
[86] 2020-06-11 (PCT/US2020/037214)
[87] (WO2020/252151)
[30] US (62/861,390) 2019-06-14

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[13] A1

[51] Int.Cl. G01N 31/22 (2006.01) G01N 21/64 (2006.01) G01N 21/78 (2006.01)
[25] EN
[54] METHOD AND SENSOR FOR DETECTION OF TRIACETONE TRIPEROXIDE (TATP), DIACETONE DIPEROXIDE (DADP), HEXAMETHYLENE TRIPEROXIDE DIAMINE (HMTD) AND HYDROGEN PEROXIDE
[54] PROCEDE ET CAPTEUR POUR LA DETECTION DE TRIPEROXYDE DE TRIACETONE (TATP), DE DIPEROXYDE DE DIACETONE (DADP), DE (TRIPEROXYDE D'HEXAMETHYLENE)DIAMINE (HMTD) ET DE PEROXYDE D'HYDROG ENE
[72] BIYIKAL, MUSTAFA, DE
[72] RURACK, KNUT, DE
[72] HELLER, BENEDIKT, DE
[71] BUNDESREPUBLIK DEUTSCHLAND, VERTRETER DURCH DEN BUNDESMINISTER FUR WIRTSCHAFT UND ENERGIE, DIESER VERTRETER DURCH DEN PRASIDENTEN DER BUNDESANSTALT FUR MATERIALFORSCHUNG UND - PRUFUNG (BAM), DE
[71] INSTITUT DR. FOERSTER GMBH & CO. KG, DE
[85] 2021-12-02
[86] 2019-06-05 (PCT/EP2019/064693)
[87] (WO2020/244754)

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[13] A1

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[25] EN
[54] SYSTEMS AND METHODS FOR DEPLOYING HYDROELECTRIC ENERGY SYSTEMS
[54] SYSTEMES ET PROCEDES DE DEPLOIEMENT DE SYSTEMES D'ENERGIE HYDROELECTRIQUE
[72] POWER III, DANIEL E., US
[71] OCEANA ENERGY COMPANY, US
[85] 2021-12-01
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[87] (WO2020/252139)
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<p>[21] 3,142,500 [13] A1</p> <p>[51] Int.Cl. B61L 23/04 (2006.01)</p> <p>[25] EN</p> <p>[54] A SYSTEM, A VEHICLE AND A METHOD FOR THE DETECTION OF POSITION AND GEOMETRY OF LINE INFRASTRUCTURES, PARTICULARLY FOR A RAILWAY LINE</p> <p>[54] SYSTEME, VEHICULE ET PROCEDE DE DETECTION DE POSITION ET DE GEOMETRIE D'INFRASTRUCTURES DE LIGNE, EN PARTICULIER POUR UNE LIGNE DE CHEMIN DE FER</p> <p>[72] MAGGIORA, RICCARDO, IT</p> <p>[72] SALVADOR, SARA, IT</p> <p>[71] DMA S.R.L., IT</p> <p>[85] 2021-12-02</p> <p>[86] 2020-05-26 (PCT/IB2020/054967)</p> <p>[87] (WO2020/260978)</p> <p>[30] IT (102019000010209) 2019-06-26</p>

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[54] TECHNIQUES DE GESTION DE VERSIONS DE FICHIERS SERVANT A PROTEGER CONTRE UNE CORRUPTION DE FICHIERS
[72] BLAIR, JOHN DAVID, US
[72] BAKKEN, ANDERS GRINDAL, US
[71] NETFLIX, INC., US
[85] 2021-12-02
[86] 2020-06-04 (PCT/US2020/036102)
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[25] EN
[54] SYSTEMS AND METHODS FOR ASSEMBLING PATTERNS AND CUTTING AND APPLYING WINDOW FILMS AND PAINT PROTECTION FILMS
[54] SYSTEMES ET PROCEDES D'ASSEMBLAGE DE MOTIFS ET DE DECOUPE ET D'APPLICATION DE FILMS DE FENETRE ET DE FILMS DE PROTECTION DE PEINTURE
[72] FARROW, JAMES YANCY, US
[72] WILLIAMS, CATHERINE DELPHINE, US
[72] REEVES, AARON LESLIE, GB
[72] DILL, RICHARD ANTHONY, US
[72] REED, DARRELL LYNN, US
[72] REIMER, BILL, US
[72] HERBERLIE, JAKE, US
[72] VANDERNOOT, JAMES, US
[72] MIKULEC, NICK, US
[72] BUTLER, JASON, US
[72] GANDILLON, BECKY, US
[71] EASTMAN PERFORMANCE FILMS, LLC, US
[85] 2021-12-02
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[54] POLYMORPHS OF 1-(2-(((TRANS)-3-FLUORO-1-(3-FLUOROPYRIDIN-2-YL)CYCLOBUTYL)METHYL)AMINO)PYRIMIDIN-5-YL)-1H-PYRROLE-3-CARBOXAMIDE
[54] POLYMORPHES DE 1-(2-(((TRANS)-3-FLUORO-1-(3-FLUOROPYRIDIN-2-YL)CYCLOBUTYL)METHYL)AMINO)PYRIMIDIN-5-YL)-1H-PYRROLE-3-CARBOXAMIDE

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[72] PETERSON, MATTHEW W., US
[71] CYTOKINETICS, INC., US
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[54] PROBIOTIC AND CHEMICAL CONTROL OF BIOFILMS
[54] PROBIOTIQUE ET CONTROLE CHIMIQUE DE BIOFILMS
[72] LI, XIAOBAO, US
[72] GLEMBOCKI, BRET, US
[72] GRINSTEAD, DALE, US
[72] ROACH, KENNETH, US
[72] LIMBAUGH, DAVID, US
[71] DIVERSEY, INC., US
[85] 2021-12-02
[86] 2020-06-19 (PCT/US2020/038630)
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[30] US (62/864,829) 2019-06-21

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[54] MEDICAL VALVE
[54] VALVE MEDICALE
[72] JENSrud, ALYN NARCISSE, US
[72] STANTON, LARRY EDWARD, US
[72] HARRIS, COLBY, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2021-12-02
[86] 2020-06-17 (PCT/US2020/038066)
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[54] CABLE BRACE SYSTEM
[54] SYSTEME DE RENFORT EN CABLE
[72] FLEMING, DARREN, US
[71] MOBIUS TECHNOLOGIES, LLC, US
[85] 2021-12-02
[86] 2020-06-10 (PCT/US2020/037078)
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[25] EN
[54] SYSTEMS AND METHODS FOR TRACKING SURGICAL ITEMS
[54] SYSTEMES ET PROCEDES DE SUIVI D'ELEMENTS CHIRURGICAUX
[72] SATISH, SIDDARTH, US
[72] KUMAR, MAYANK, US
[72] MILLER, KEVIN J., US
[72] JANTIKAR, SHEETAL DEEPAK, US
[72] GOODMAN, DANIEL, US
[72] HOSFORD, ANDREW T., US
[72] CARROLL, CHARLES PETERSON, US
[71] GAUSS SURGICAL, INC., US
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- [54] APPLICATION D'ETIQUETTES GEOMATIQUES A DES IMAGES POUR IDENTIFIER DES OPPORTUNITES D'EXPLORATION
- [72] FRUGIER-DORRINGTON, TRACY, US
- [72] GARCIA JR., CARLOS, US
- [71] SCHLUMBERGER CANADA LIMITED, CA
- [85] 2021-12-02
- [86] 2020-06-04 (PCT/US2020/036051)
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- [54] OLIGONUCLEOTIDES ET LEURS METHODES D'UTILISATION POUR TRAITER DES AFFECTIONS NEUROLOGIQUES
- [72] HINCKLEY, SANDRA, US
- [72] BROWN, DUNCAN, GB
- [72] AGRAWAL, SUDHIR, US
- [71] QURALIS CORPORATION, US
- [85] 2021-12-02
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- [25] EN
- [54] GAS BYPASS SEPARATOR
- [54] SEPARATEUR DE DERIVATION DE GAZ
- [72] RAGLIN, JOHN M., US
- [71] WELLWORX ENERGY SOLUTIONS LLC, US
- [85] 2021-08-19
- [86] 2020-02-27 (PCT/US2020/020107)
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- [54] THERAPIE GENIQUE CARDIAQUE PAR VIRUS ADENO-ASSOCIE POUR LA CARDIOMYOPATHIE CHEZ L'HOMME

- [72] SWEENEY, HUGH LEE, US
- [71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
- [85] 2021-12-01
- [86] 2020-07-17 (PCT/US2020/042663)
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- [54] METHODS AND COMPOSITIONS FOR IDENTIFYING LIGANDS ON ARRAYS USING INDEXES AND BARCODES
- [54] PROCEDES ET COMPOSITIONS POUR IDENTIFIER DES LIGANDS SUR DES RESEAUX A L'AIDE D'INDICES ET DE CODES A BARRES
- [72] SEGALE, DARREN, US
- [72] BLACK, FIONA E., US
- [72] BRODIN, JEFFREY DENNIS, US
- [72] BERTI, LORENZO, US
- [72] LEONG, SIEW HONG, US
- [72] FISHER, JEFFREY S., US
- [72] ECKHARDT, ALLEN, US
- [72] ZHANG, RUI, US
- [72] TEO, YIN NAH, US
- [71] ILLUMINA, INC., US
- [85] 2021-12-01
- [86] 2020-09-18 (PCT/US2020/051646)
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- [30] US (62/903,108) 2019-09-20
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- [25] EN
- [54] SYSTEMS AND METHODS FOR STABILIZING EMULSIONS
- [54] SYSTEMES ET PROCEDES DE STABILISATION D'EMULSIONS
- [72] DUNN, MATTHEW RYAN, US
- [72] LARSEN, ANDREW CARL, US
- [72] PERKINS, CHRISTOPHER MICHAEL, US
- [71] DROPWORKS, INC., US
- [85] 2021-12-01
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- [54] DETECTION DE NITRATES ET DE LEURS PRODUITS DE DECOMPOSITION PAR MESURE DE FLUORESCENCE
- [72] HELLER, BENEDIKT, DE
- [72] BIYIKAL, MUSTAFA, DE
- [72] RURACK, KNUT, DE
- [72] ZBYNEK, JERIE, DE
- [71] BUNDESREPUBLIK DEUTSCHLAND, VERTRETTEN DURCH DEN BUNDESMINISTER FÜR WIRTSCHAFT UND ENERGIE, DIESER VERTRETEN DURCH DEN PRASIDENTEN DER BUNDESANSTALT FÜR MATERIALFORSCHUNG UND - PRUFUNG (BAM), DE
- [71] INSTITUT DR. FOERSTER GMBH & CO. KG, DE
- [85] 2021-12-02
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- [25] EN
- [54] THERMOGELLING CANNABINOID COMPOSITION AND METHOD OF MANUFACTURE AND USE THEREOF
- [54] COMPOSITION CANNABINOIDE THERMOGELIFIANTE ET SON PROCEDE DE FABRICATION ET D'UTILISATION
- [72] ELVIRA, GEORGE, CA
- [72] CHOUINARD, FRANCOIS, CA
- [72] SAVARD, JAMIE, CA
- [71] HEXO OPERATIONS INC., CA
- [85] 2021-12-02
- [86] 2020-06-05 (PCT/CA2020/050780)
- [87] (WO2020/243844)
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- [54] APPAREIL DE NETTOYAGE DE SURFACE
- [72] CONRAD, WAYNE ERNEST, CA
- [71] OMACHRON INTELLECTUAL PROPERTY INC., CA
- [85] 2021-12-02
- [86] 2020-06-10 (PCT/CA2020/050788)
- [87] (WO2020/248047)
- [30] US (16/440,590) 2019-06-13
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- [25] EN
- [54] MANGANESE-BEARING POLYMER COMPLEXES
- [54] COMPLEXES POLYMERES PORTEURS DE MANGANESE
- [72] VERCAEMST, CARL, BE
- [71] UMICORE, BE
- [85] 2021-12-02
- [86] 2020-04-23 (PCT/EP2020/061309)
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 - [54] CONTROL ARRANGEMENT FOR GAMBLERS
 - [54] ACCORD DE CONTROLE POUR JOUEURS
 - [72] BROOKS, SAMUEL JOHN, AU
 - [72] HALL, STEPHEN MATTHEW, AU
 - [71] CUTTING EDGE INNOVATIONS PTY LTD, AU
 - [85] 2021-12-02
 - [86] 2020-06-03 (PCT/AU2020/050560)
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- [25] EN
- [54] **DELIVERY DEVICE FOR DRUG PELLETS**
- [54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENTS EN PASTILLES**
- [72] BARONNET, STEPHANE RENE, SE
- [72] KAREMYR, MAGNUS, SE
- [71] ONDOSIS AB, SE
- [85] 2021-12-02
- [86] 2020-06-19 (PCT/EP2020/067249)
- [87] (WO2020/254662)
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- [25] EN
- [54] **LOAD COMPENSATION DEVICE, IN PARTICULAR OF GRAVITATIONAL LOADS, APPLICABLE TO EXOSKELETONS**
- [54] **DISPOSITIF DE COMPENSATION DE CHARGE, EN PARTICULIER DE CHARGES GRAVITATIONNELLES, APPLICABLE A DES EXOSQUELETTES**
- [72] AQUILANTE, LORENZO, IT
- [72] TABAGLIO, MATTIA, IT
- [72] RAMIREZ, DANIELE, IT
- [72] BRAGHIN, FRANCESCO, IT
- [72] PEDROCCHI, ALESSANDRA LAURA GIULIA, IT
- [72] GANDOLLA, MARTA, IT
- [72] DALLA GASPERINA, STEFANO, IT
- [71] POLITECNICO DI MILANO, IT
- [85] 2021-12-02
- [86] 2020-05-29 (PCT/EP2020/064944)
- [87] (WO2020/245038)
- [30] IT (102019000007848) 2019-06-03

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- [25] EN
- [54] **RINGSPINNING SYSTEM FOR PRODUCING A YARN AND METHOD FOR STOPPING THE SUPPLY OF FILAMENTS TO A DRAFTING STAGE OF A RINGSPINNING SYSTEM**
- [54] **SISTÈME DE FILATURE A ANNEAUX POUR PRODUIRE UN FIL ET PROCÉDE POUR ARRETER L'ALIMENTATION EN FILAMENTS A UN ETAGE D'ETIRAGE D'UN SISTÈME DE FILATURE A ANNEAUX**
- [72] KONUKOGLU, HAKAN, TR
- [72] AYDIN, GOKHAN, TR
- [71] SANKO TEKSTİL İSLETMELERİ SANAYİ VE TİCARET ANONİM SİRKETİ, TR
- [85] 2021-12-02
- [86] 2020-02-06 (PCT/EP2020/052943)
- [87] (WO2020/244813)
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- [25] EN
- [54] **METHOD FOR DETECTING RISK OF TORSADES DE POINTES**
- [54] **PROCEDE DE DETECTION DU RISQUE DE TORSADES DE POINTES**
- [72] SALEM, JOE-ELIE, FR
- [72] PRIFTI, EDI, FR
- [72] PULINI, ALFREDO ARAM, FR
- [72] ZUCKER, JEAN-DANIEL, FR
- [72] FUNCK-BRENTANO, CHRISTIAN, FR
- [72] LEENHARDT, ANTOINE, FR
- [72] DENJOY, ISABELLE, FR
- [72] EXTRAMIANA, FABRICE, FR
- [71] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
- [71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
- [71] UNIVERSITE DE PARIS, FR
- [71] INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT, FR
- [71] SORBONNE UNIVERSITE, FR
- [85] 2021-12-02
- [86] 2020-06-04 (PCT/EP2020/065562)
- [87] (WO2020/245322)
- [30] EP (19305730.4) 2019-06-05

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- [51] Int.Cl. B01J 19/24 (2006.01) C01B 3/34 (2006.01)
- [25] EN
- [54] **PROCESS OF STEAM REFORMING WITH LOW CARBON DIOXIDE EMISSIONS**
- [54] **PROCESSUS DE REFORMAGE A LA VAPEUR A FAIBLES EMISSIONS DE DIOXYDE DE CARBONE**
- [72] RUGGERI, FABIO, IT
- [72] MANCUSO, LUCA, IT
- [72] SANGALLI, LUIGI, IT
- [71] WOOD ITALIANA S.R.L., IT
- [85] 2021-12-02
- [86] 2020-06-05 (PCT/IB2020/055320)
- [87] (WO2020/245792)
- [30] IT (102019000008280) 2019-06-06

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- [51] Int.Cl. B65G 67/34 (2006.01) B62D 37/00 (2006.01) B62D 51/06 (2006.01)
- [25] EN
- [54] **A SELF-LEVELING SINGLE AXLE DUMP TRUCK**
- [54] **CAMION-BENNE A ESSIEU UNIQUE AUTO-NIVELANT**
- [72] BROWN, JOSHUA, US
- [72] BATES, HUNTER, US
- [71] LIEBHERR MINING EQUIPMENT NEWPORT NEWS CO., US
- [85] 2021-12-02
- [86] 2020-06-09 (PCT/EP2020/065942)
- [87] (WO2020/249552)
- [30] US (62/859,984) 2019-06-11
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<p style="text-align: right;">[21] 3,142,563</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 5/055 (2006.01) A61B 6/04 (2006.01) A61G 7/053 (2006.01)</p> <p>[25] EN</p> <p>[54] RADIOLOGY HOLDING DEVICE FOR A RADIOLOGY APPARATUS</p> <p>[54] DISPOSITIF DE SUPPORT RADIOLOGIQUE POUR UN APPAREIL DE RADIOLOGIE</p> <p>[72] BRORMANN, HUBERT, DE</p> <p>[71] FEBROMED GMBH & CO.KG, DE</p> <p>[85] 2021-12-02</p> <p>[86] 2020-07-13 (PCT/EP2020/069791)</p> <p>[87] (WO2021/009138)</p> <p>[30] DE (10 2019 119 025.8) 2019-07-12</p>

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 - [25] EN
 - [54] COMPOSITIONS COMPRISING A BACTERIAL STRAIN LACTOBACILLUS PARACASEI AND HYALURONIC ACID AND THE USE THEREOF FOR THE TREATMENT OF THE SKIN
 - [54] COMPOSITIONS COMPRENANT UNE SOUCHE BACTERIENNE LACTOBACILLUS PARACASEI ET DE L'ACIDE HYALURONIQUE ET LEUR UTILISATION DANS LE TRAITEMENT DE LA PEAU
 - [72] BIFFI, ANDREA, IT
 - [71] LAC2BIOME S.R.L., IT
 - [85] 2021-12-02
 - [86] 2020-06-05 (PCT/IB2020/055326)
 - [87] (WO2020/245797)
 - [30] IT (102019000008097) 2019-06-05
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- [51] Int.Cl. C12N 5/079 (2010.01) C12N 5/09 (2010.01) G01N 33/48 (2006.01)
- [25] EN
- [54] GENETICALLY ENGINEERED CELLS SENSITIVE FOR CLOSTRIDIAL NEUROTOXINS
- [54] CELLULES GENETIQUEMENT MODIFIEES SENSIBLES AUX NEUROTOXINES CLOSTRIDIENNES
- [72] OYLER, GEORGE A., US
- [72] GERTZ, BARRY, US
- [71] SYNAPTIC RESEARCH, LLC, US
- [85] 2021-12-02
- [86] 2020-06-08 (PCT/IB2020/055377)
- [87] (WO2020/245810)
- [30] US (62/858,384) 2019-06-07

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- [51] Int.Cl. C05B 17/00 (2006.01) C05D 9/02 (2006.01) C05F 3/00 (2006.01) C05F 11/00 (2006.01) C12P 19/34 (2006.01) C12Q 1/68 (2018.01) C12Q 1/70 (2006.01)
 - [25] EN
 - [54] MICROBIAL QUANTITATION
 - [54] QUANTIFICATION MICROBIENNE
 - [72] ZAJDBAND, ARIEL DAVID, US
 - [72] HARTMAN, WYATT HUGH, US
 - [72] STONE, DAVID CURTIS, US
 - [72] CHIANG, ROSARIA, US
 - [71] TRACE GENOMICS, INC., US
 - [85] 2021-12-02
 - [86] 2020-06-03 (PCT/US2020/035961)
 - [87] (WO2020/247525)
 - [30] US (62/856,429) 2019-06-03
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- [51] Int.Cl. A61M 15/08 (2006.01) B67D 7/70 (2010.01) A61M 11/00 (2006.01) A61M 37/00 (2006.01)
- [25] EN
- [54] DEVICES AND METHODS FOR DELIVERING FLUID TO A NASAL CAVITY
- [54] DISPOSITIFS ET PROCEDES D'ADMINISTRATION DE FLUIDE DANS UNE CAVITE NASALE
- [72] MAZHAR, KASHIF, US
- [72] PUGH, MAGDA R., US
- [72] CLARE, MICHAEL JOHN, US
- [71] NEOSINUS HEALTH INC., US
- [85] 2021-12-02
- [86] 2019-06-19 (PCT/US2019/037910)
- [87] (WO2020/251594)
- [30] US (16/437,551) 2019-06-11

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 - [25] EN
 - [54] SPRING WITH A MONITORING DEVICE, SYSTEM WITH A DOOR AND THE SPRING WITH THE MONITORING DEVICE, AND METHOD THEREFOR
 - [54] RESSORT EQUIPE D'UN DISPOSITIF DE SURVEILLANCE, SYSTEME COMPRENANT UNE PORTE ET CE RESSORT EQUIPE D'UN DISPOSITIF DE SURVEILLANCE, ET PROCEDE CORRESPONDANT
 - [72] STEINER, ANDREAS, DE
 - [71] EFAFLEX TOR- UND SICHERHEITSSYSTEME GMBH & CO. KG, DE
 - [85] 2021-12-02
 - [86] 2020-11-24 (PCT/EP2020/083166)
 - [87] (WO2021/144056)
 - [30] DE (10 2020 100 932.1) 2020-01-16
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- [25] EN
- [54] SACRIFICIAL SENSOR FOR DETERMINING DAMAGE TO A PART
- [54] CAPTEUR SACRIFICIEL POUR DETERMINER UN ENDOMMAGEMENT D'UNE PIECE
- [72] BARTON, JANICE MARIE, GB
- [72] OLAFSSON, GEIR, GB
- [71] BAE SYSTEMS PLC, GB
- [85] 2021-12-02
- [86] 2020-05-27 (PCT/GB2020/051272)
- [87] (WO2020/245564)
- [30] GB (1908053.0) 2019-06-06

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 - [25] EN
 - [54] ANTI-TNF ANTIBODIES, COMPOSITIONS, AND METHODS FOR THE TREATMENT OF ACTIVE ANKYLOSING SPONDYLITIS
 - [54] ANTICORPS ANTI-TNF, COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE LA SPONDYLARTHRITE ANKYLOANTE ACTIVE
 - [72] HARRISON, DIANE D., US
 - [72] HSIA, ELIZABETH C., US
 - [72] KIM, LEE-LIAN, US
 - [72] LO, KIM HUNG, US
 - [71] JANSSEN BIOTECH, INC., US
 - [85] 2021-12-02
 - [86] 2020-05-11 (PCT/IB2020/054447)
 - [87] (WO2020/245677)
 - [30] US (62/856,300) 2019-06-03
 - [30] US (62/924,839) 2019-10-23
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- [51] Int.Cl. H02P 9/04 (2006.01) B60K 6/22 (2007.10) H02K 11/21 (2016.01) H02P 25/022 (2016.01) B60W 20/00 (2016.01) F02B 77/08 (2006.01) H02K 7/18 (2006.01)
- [25] EN
- [54] METHOD AND SYSTEM FOR DETERMINING CRANKSHAFT POSITION IN AN ELECTRICAL GENERATING SYSTEM
- [54] PROCEDE ET SYSTEME POUR DETERMINER UNE POSITION DE VILEBREQUIN DANS UN SYSTEME DE PRODUCTION D'ENERGIE ELECTRIQUE
- [72] MCROBERTS, MATTHEW, CA
- [72] KINSELLA, JOSEPH, CA
- [71] PEGASUS AERONAUTICS CORPORATION, CA
- [85] 2021-12-02
- [86] 2020-06-03 (PCT/IB2020/055230)
- [87] (WO2020/245737)
- [30] US (62/856,344) 2019-06-03

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 - [25] EN
 - [54] TELESCOPIC ITEM AND MECHANISM THEREFOR
 - [54] ELEMENT TELESCOPIQUE ET MECANISME ASSOCIE
 - [72] SHILO, YAIR, IL
 - [72] FRIED, AMITAI DAVID, IL
 - [71] HASBRO, INC., US
 - [85] 2021-12-02
 - [86] 2020-06-03 (PCT/IB2020/055255)
 - [87] (WO2020/245751)
 - [30] US (62/856,763) 2019-06-04
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- [54] COMPOSITION COMPRISING EXTRACTS OF EUCOMMIA ULMOIDES, CROCUS SATIVUS AND/OR MAGNOLIA OFFICINALIS AND THE USE THEREOF IN THE TREATMENT OF SLEEP DISORDERS
- [54] COMPOSITION COMPRENANT DES EXTRAITS D'EUCOMMIA ULMOIDES, DE CROCUS SATIVUS ET/OU DE MAGNOLIA OFFICINALIS ET UTILISATION CORRESPONDANTE DANS LE TRAITEMENT DE TROUBLES DU SOMMEIL
- [72] CASTORINA, SEBASTIANO MAURIZIO, IT
- [72] VANELLI, ARIANNA, IT
- [72] TADDEI, ALESSANDRO, IT
- [72] MURZILLI, STEFANIA, IT
- [71] NUTRILINEA S.R.L., IT
- [85] 2021-12-02
- [86] 2020-06-05 (PCT/IB2020/055303)
- [87] (WO2020/245779)
- [30] IT (102019000008259) 2019-06-06

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 - [25] EN
 - [54] A METHOD TO PRODUCE A FIBROUS PRODUCT COMPRISING MICROFIBRILLATED CELLULOSE
 - [54] PROCEDE DE PRODUCTION D'UN PRODUIT FIBREUX COMPRENANT DE LA CELLULOSE MICROFIBRILLEE
 - [72] BACKFOLK, KAJ, FI
 - [72] HEISKANEN, ISTO, FI
 - [72] LYTYKAINEN, KATJA, FI
 - [72] NYLEN, OTTO, FI
 - [71] STORA ENSO OYJ, FI
 - [85] 2021-12-02
 - [86] 2020-06-15 (PCT/IB2020/055572)
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 - [30] SE (1950730-0) 2019-06-17
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- [25] EN
- [54] SYSTEM AND METHOD FOR TREATING BLEPHARITIS USING TISSUE STRESSING
- [54] SYSTEME ET METHODE DE TRAITEMENT DE LA BLEPHARITE A L'AIDE D'UNE SOLICITATION TISSULAIRE
- [72] SHAVIT, RONEN, IL
- [71] NOVOXEL LTD., IL
- [85] 2021-12-02
- [86] 2020-06-05 (PCT/IL2020/050632)
- [87] (WO2020/245833)
- [30] IL (267166) 2019-06-06
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[54] RAW MATERIAL DISCHARGE DEVICE, METHOD OF PROCESSING OF ELECTRONIC/ELECTRICAL DEVICE COMPONENT SCRAP, AND METHOD OF RAW MATERIAL DISCHARGE FOR ELECTRONIC/ELECTRICAL DEVICE COMPONENT SCRAP

[54] DISPOSITIF D'EVACUATION DE MATIERE PREMIERE, PROCEDE DE TRAITEMENT DE DEBRIS DE COMPOSANT DE DISPOSITIF ELECTRONIQUE/ELECTRIQUE, ET PROCEDE D'EVACUATION DE MATIERE PREMIERE POUR D EBRIS DE COMPOSANT DE DISPOSITIF ELECTRONIQUE/ELECTRIQUE

[72] AOKI,KATSUSHI, JP

[71] JX NIPPON MINING & METALS CORPORATION, JP

[85] 2021-12-02

[86] 2020-06-02 (PCT/JP2020/021821)

[87] (WO2020/246479)

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[54] CATHETER URINAIRE A FIL-GUIDE

[72] ALDRED, BRUCE, US

[72] KWAN, DELBERT, US

[71] ALDRED, BRUCE, US

[71] KWAN, DELBERT, US

[85] 2021-12-02

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[25] EN

[54] CROSSLINKED NUCLEOSIDE INTERMEDIATE CRYSTAL AND METHOD FOR PRODUCING SAME, AND METHOD FOR PRODUCING CROSSLINKED NUCLEOSIDE AMIDITE

[54] CRISTAL INTERMEDIAIRE NUCLEOSIDIQUE RETICULE ET SON PROCEDE DE PRODUCTION, ET PROCEDE DE PRODUCTION D'AMIDITE NUCLEOSIDIQUE RETICULE

[72] KOHGO, SATORU, JP

[71] YAMASA CORPORATION, JP

[85] 2021-12-02

[86] 2020-06-18 (PCT/JP2020/024037)

[87] (WO2020/256084)

[30] JP (2019-113372) 2019-06-19

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[25] EN

[54] EXPLOSIVES BASED ON HYDROGEN PEROXIDE WITH IMPROVED SLEEP TIME

[54] EXPLOSIFS A BASE DE PEROXYDE D'HYDROGENE A TEMPS DE SOMMEIL AMELIORE

[72] KETTLE, ANDREW, AU

[71] CMTE DEVELOPMENT LIMITED,
AU

[85] 2021-12-03

[86] 2020-06-05 (PCT/AU2020/050573)

[87] (WO2020/243788)

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[25] EN

[54] ARTIFICIAL FUR AND METHOD FOR MANUFACTURING SAME

[54] FOURRURE ARTIFICIELLE ET SON PROCEDE DE FABRICATION

[72] SATO, AKITO, JP

[71] SPIBER INC., JP

[85] 2021-12-02

[86] 2020-06-24 (PCT/JP2020/024902)

[87] (WO2020/262489)

[30] JP (2019-122110) 2019-06-28

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[51] Int.Cl. G02B 6/36 (2006.01)

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[54] OPTICAL CONNECTOR

[54] CONNECTEUR OPTIQUE

[72] SHINODA, TOMOYUKI, JP

[72] KANNO, SHUHEI, JP

[72] OTOMITSU, TAKAHITO, JP

[71] FUJIKURA LTD., JP

[85] 2021-12-02

[86] 2020-08-05 (PCT/JP2020/030039)

[87] (WO2021/065195)

[30] JP (2019-182990) 2019-10-03

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[54] SHEET FOR HEAT EXCHANGE ELEMENT

[54] FEUILLE POUR ELEMENT D'ECHANGE DE CHALEUR

[72] NISHIOKA, KAZUYA, JP

[72] OMORI, TAIRA, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2021-12-02

[86] 2020-08-17 (PCT/JP2020/030960)

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[30] JP (2019-150262) 2019-08-20

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<p>[21] 3,142,603 [13] A1</p> <p>[51] Int.Cl. C05F 7/00 (2006.01) C05B 11/00 (2006.01) C02F 1/52 (2006.01) C05B 7/00 (2006.01) C05B 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] DECOMPOSITION OF STRUVITE</p> <p>[54] DECOMPOSITION DE STRUVITE</p> <p>[72] COHEN, YARIV, SE</p> <p>[72] ENFALT, PATRIK, SE</p> <p>[72] SVARD, JOHN, SE</p> <p>[72] HOGBERG, CARL-JOHAN, SE</p> <p>[72] NORDSTRÖM, EMILIE, SE</p> <p>[71] EASYMINING SWEDEN AB, SE</p> <p>[85] 2021-12-02</p> <p>[86] 2020-06-11 (PCT/SE2020/050605)</p> <p>[87] (WO2020/256622)</p> <p>[30] SE (1950734-2) 2019-06-17</p>

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- [25] EN
- [54] **CELLULAR CASSETTES FOR THE COLLECTION, STORAGE, AND ANALYSIS OF BIOLOGICAL SAMPLES**
- [54] **CASSETTES CELLULAIRES POUR LA COLLECTE, LE STOCKAGE ET L'ANALYSE D'ECHANTILLONS BIOLOGIQUES**
- [72] GIERAHN, TODD, US
- [71] HONEYCOMB BIOTECHNOLOGIES, INC., US
- [85] 2021-12-02
- [86] 2020-06-04 (PCT/US2020/036197)
- [87] (WO2020/247684)
- [30] US (62/858,773) 2019-06-07

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- [25] EN
- [54] **SYSTEM FOR WALL CONSTRUCTION**
- [54] **SISTÈME DE CONSTRUCTION DE PAROI**
- [72] CICCARELLO, CHARLES, CA
- [71] TECHO-BLOC INC., CA
- [85] 2021-12-03
- [86] 2020-06-05 (PCT/CA2020/050776)
- [87] (WO2020/243840)
- [30] US (62/857,414) 2019-06-05

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- [25] EN
- [54] **SYSTEM AND METHOD FOR AUTOMATED FILE REPORTING**
- [54] **SISTÈME ET PROCÉDÉ POUR RAPPORT DE FICHIER AUTOMATIQUE**
- [72] ZOVIC, LEO, CA
- [72] ATCHISON, CONNOR, CA
- [72] BOUDREAU, LUKE, CA
- [72] SUN, WEI, CA
- [72] JUGDEO, RYAN, CA
- [72] DEROHANIAN, ERIK, CA
- [71] WISEDOCS INC., CA
- [85] 2021-12-03
- [86] 2020-06-05 (PCT/CA2020/050782)
- [87] (WO2020/243846)
- [30] US (62/857,930) 2019-06-06

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- [25] EN
- [54] **SYSTEM AND METHOD FOR THE SUPPLY AND/OR ACQUISITION OF BULK PRODUCTS**
- [54] **SISTÈME ET PROCÉDÉ POUR L'APPROVISIONNEMENT ET/OU L'ACQUISITION DE PRODUITS EN VRAC**
- [72] MOLLER DOMINGUEZ, JOSE MANUEL, CL
- [71] ALGRAMO SPA, CL
- [85] 2021-12-03
- [86] 2020-06-05 (PCT/CL2020/050061)
- [87] (WO2020/243850)
- [30] US (62/857,602) 2019-06-05

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- [25] EN
- [54] **AFFINITY-MATURATED ANTI-ASIC1A ANTIBODIES**
- [54] **ANTICORPS ANTI-ASIC1A A MATURATION D'AFFINITE**
- [72] YANG, GUANG, CN
- [72] QIANG, MIN, CN
- [71] SHANGHAITECH UNIVERSITY, CN
- [85] 2021-12-03
- [86] 2019-06-04 (PCT/CN2019/090041)
- [87] (WO2020/243912)

[21] 3,142,618
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- [51] Int.Cl. G06F 12/06 (2006.01)
- [25] EN
- [54] **HARDWARE-BASED MEMORY COMPRESSION**
- [54] **COMPRESSEION DE MEMOIRE MATERIELLE**
- [72] ZHANG, LINTAO, CN
- [72] BENNETT, JOHN G., US
- [72] LI, BOJIE, CN
- [71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
- [85] 2021-12-03
- [86] 2019-07-02 (PCT/CN2019/094419)
- [87] (WO2021/000263)

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- [25] EN
- [54] **OLIVETOLIC ACID CYCLASE VARIANTS AND METHODS FOR THEIR USE**
- [54] **VARIANTS DE CYCLASE D'ACIDE OLIVETOLIQUE ET LEURS PROCÉDÉS D'UTILISATION**
- [72] NOBLE, MICHAEL A., US
- [72] KOMOR, RUSSELL S., US
- [71] GENOMATICA, INC., US
- [85] 2021-12-02
- [86] 2020-06-05 (PCT/US2020/036310)
- [87] (WO2020/247741)
- [30] US (62/858,168) 2019-06-06

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- [51] Int.Cl. H04W 4/00 (2018.01)
 - [25] EN
 - [54] DATA SHARING CONTROL METHODS AND SYSTEMS
 - [54] PROCEDES ET SYSTEMES DE COMMANDE DE PARTAGE DE DONNEES
 - [72] BAILEY, MARK, US
 - [72] BARRETT, PHILLIP, US
 - [72] BEARD, JOSHUA, US
 - [72] LESHKO, JEREMY, US
 - [72] PHILLIPS, JARED, US
 - [72] LEVERT, LAWRENCE C., IV, US
 - [71] INTERGRAPH CORPORATION, US
 - [85] 2021-12-02
 - [86] 2020-06-07 (PCT/US2020/036528)
 - [87] (WO2020/247897)
 - [30] US (62/858,447) 2019-06-07
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- [51] Int.Cl. G06Q 10/06 (2012.01)
- [25] EN
- [54] TECHNIQUES FOR MULTISTEP DATA CAPTURE FOR BEHAVIORAL PAIRING IN A TASK ASSIGNMENT SYSTEM
- [54] TECHNIQUES DE CAPTURE DE DONNEES MULTI-ETAPES DESTINEES A UN APPARIEMENT COMPORTEMENTAL DANS UN SYSTEME D'ATTRIBUTION DE TACHE
- [72] ARBAB, MUHAMMAD, PK
- [71] AFINITI, LTD., BM
- [85] 2021-12-02
- [86] 2020-06-12 (PCT/US2020/037452)
- [87] (WO2020/257075)
- [30] US (16/444,133) 2019-06-18

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 - [25] EN
 - [54] METHODS AND SYSTEMS FOR DEPLOYING AND MANAGING SCALABLE MULTI-SERVICE VIRTUAL ASSISTANT PLATFORM
 - [54] PROCEDES ET SYSTEMES DE DEPLOIEMENT ET DE GESTION D'UNE PLATE-FORME D'ASSISTANT VIRTUEL MULTISERVICES ECHELONNABLE
 - [72] CHENG, FANG, US
 - [72] WU, DENNIS, US
 - [72] CHEN, JIAN DA, US
 - [71] LINC GLOBAL, INC., US
 - [85] 2021-12-02
 - [86] 2020-06-15 (PCT/US2020/037814)
 - [87] (WO2020/257127)
 - [30] US (62/862,128) 2019-06-16
 - [30] US (16/528,926) 2019-08-01
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- [25] EN
- [54] SYNTHESIS METHOD OF FUROIMIDAZOPYRIDINE COMPOUND, CRYSTAL FORM OF FUROIMIDAZOPYRIDINE COMPOUND, AND CRYSTAL FORM OF SALT THEREOF
- [54] PROCEDE DE SYNTHESE D'UN COMPOSE DE FUROIMIDAZOPYRIDINE, FORME CRISTALLINE D'UN COMPOSE DE FUROIMIDAZOPYRIDINE, ET FORME CRISTALLINE D'UN SEL DE CELUI-CI
- [72] LIANG, CONGXIN, US
- [72] WANG, LAIBAO, CN
- [72] LIU, HAIHUI, CN
- [71] HIGHLIGHTLL PHARMACEUTICAL (HAINAN) CO., LTD, CN
- [85] 2021-12-03
- [86] 2020-04-30 (PCT/CN2020/088122)
- [87] (WO2020/244349)
- [30] CN (201910490711.4) 2019-06-06

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- [51] Int.Cl. G06K 9/00 (2022.01)
 - [25] EN
 - [54] DYNAMIC VIDEO EXCLUSION ZONES FOR PRIVACY
 - [54] ZONES D'EXCLUSION VIDEO DYNAMIQUE POUR LA CONFIDENTIALITE
 - [72] TRUNDLE, STEPHEN SCOTT, US
 - [72] KERZNER, DANIEL TODD, US
 - [72] MADDEN, DONALD GERARD, US
 - [72] BERG, BENJAMIN ASHER, US
 - [71] ALARM.COM INCORPORATED, US
 - [85] 2021-12-02
 - [86] 2020-06-18 (PCT/US2020/038481)
 - [87] (WO2020/263682)
 - [30] US (62/865,549) 2019-06-24
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- [51] Int.Cl. A61K 31/4155 (2006.01) A61K 31/437 (2006.01) A61K 31/519 (2006.01)
- [25] EN
- [54] METHOD FOR SYNTHESIZING FUROIMIDAZOPYRIDINE COMPOUND, POLYMORPHIC SUBSTANCE AND POLYMORPHIC SUBSTANCE OF SALT
- [54] PROCEDE DE SYNTHESE D'UN COMPOSE FUROIMIDAZOPYRIDINE, SUBSTANCE POLYMORPHE ET SUBSTANCE POLYMORPHE DE SEL
- [72] LIANG, CONGXIN, US
- [72] LIU, HAIHUI, CN
- [72] WANG, LAIBAO, CN
- [71] HIGHLIGHTLL PHARMACEUTICAL (HAINAN) CO., LTD, CN
- [85] 2021-12-03
- [86] 2020-04-30 (PCT/CN2020/088122)
- [87] (WO2020/244349)
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[25] EN
[54] PHARMACEUTICAL COMPOSITIONS, KITS AND METHODS FOR TREATING TUMORS
[54] COMPOSITIONS PHARMACEUTIQUES, KITS ET METHODES DE TRAITEMENT DE TUMEURS
[72] CHEN, XIAOQING, CN
[72] ZHOU, XUSHA, CN
[72] ROIZMAN, BERNARD, CN
[72] ZHOU, GRACE GUOYING, CN
[71] IMMVIRA CO., LIMITED, CN
[85] 2021-12-03
[86] 2019-07-04 (PCT/CN2019/094645)
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[25] EN
[54] ANTI-CD38 ANTIBODY AND METHODS OF USE THEREOF
[54] ANTICORPS ANTI-CD38 ET SES PROCEDES D'UTILISATION
[72] IZQUIERDO, SHELLEY, US
[72] COLLARINI, ELLEN, US
[72] IFFLAND, CHRISTEL, US
[72] HARRIMAN, WILLIAM DON, US
[71] CRYSTAL BIOSCIENCE INC., US
[85] 2021-12-02
[86] 2020-06-26 (PCT/US2020/039929)
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[25] EN
[54] METHOD AND APPARATUS FOR INTER-PROCESS COMMUNICATION, AND COMPUTER DEVICE
[54] PROCEDE ET APPAREIL DE COMMUNICATION INTER-PROCESSUS, ET DISPOSITIF INFORMATIQUE
[72] DU, DONG, CN
[72] CHEN, HAIBO, CN
[72] XIA, YUBIN, CN
[72] LIU, HAIHUI, CN
[72] WANG, LAIBAO, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-12-03
[86] 2020-05-15 (PCT/CN2020/090559)
[87] (WO2020/244369)
[30] CN (201910478125.8) 2019-06-03
[30] CN (201910563535.2) 2019-06-26

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[25] EN
[54] ANTI-CEACAM5 MONOCLOINAL ANTIBODY AND PREPARATION METHOD THEREOF AND USE THEREOF
[54] ANTICORPS MONOCLONAL ANTI-CEACAM5 ET SON PROCEDE DE PREPARATION ET SON UTILISATION
[72] MO, SHIFU, CN
[72] XU, WEI, CN
[72] LUO, YI, CN
[72] CHEN, LIANDI, CN
[71] BIOTHEUS INC., CN
[85] 2021-12-03
[86] 2020-06-03 (PCT/CN2020/094045)
[87] (WO2020/244526)
[30] CN (201910481112.6) 2019-06-04

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[25] EN
[54] ANTI-B7-H3 ANTIBODY AND METHODS OF USE THEREOF
[54] ANTICORPS ANTI-B7-H3 ET SES PROCEDES D'UTILISATION
[72] COLLARINI, ELLEN, US
[72] IZQUIERDO, SHELLEY, US
[72] IFFLAND, CHRISTEL, US
[72] HARRIMAN, WILLIAM DON, US
[71] CRYSTAL BIOSCIENCE INC., US
[85] 2021-12-02
[86] 2020-06-26 (PCT/US2020/039931)
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[25] EN
[54] ENGINEERED SUCROSE PHOSPHORYLASE VARIANT ENZYMES
[54] ENZYMES VARIANTES DE SACCHAROSE PHOSPHORYLASE MODIFIEES
[72] VROOM, JONATHAN, US
[72] SIVARAMAKRISHNAN, SANTHOSH, US
[72] SUBRAMANIAN, NANDHITHA, US
[71] CODEXIS, INC., US
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[25] EN
[54] PACKET LOSS CONCEALMENT FOR DIRAC BASED SPATIAL AUDIO CODING
[54] DISSIMULATION DE PERTE DE PAQUETS POUR CODAGE AUDIO SPATIAL BASE SUR DIRAC
[72] FUCHS, GUILLAUME, DE
[72] MULTRUS, MARKUS, DE
[72] DOEHLA, STEFAN, DE
[72] EICHENSEER, ANDREA, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-12-03
[86] 2020-06-05 (PCT/EP2020/065631)
[87] (WO2020/249480)
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[54] EXPANDABLE SHEATH
[54] GAINÉ EXTENSIBLE
[72] NEUMANN, YAIR A., IL
[72] GOLDBERG, ERAN, IL
[72] DVORSKY, ANATOLY, IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2021-12-02
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[25] EN
[54] BINDING MOLECULE SPECIFIC FOR CD73 AND USE OF BINDING MOLECULE
[54] MOLECULE DE LIAISON SPECIFIQUE A CD73 ET UTILISATION DE LA MOLECULE DE LIAISON
[72] LIU, QINGHAO, CN
[72] ZHOU, WENLAI, CN
[72] YANG, HAIYAN, CN
[72] WANG, HONGLING, CN
[71] JACOBIO PHARMACEUTICALS CO., LTD., CN
[85] 2021-12-03
[86] 2020-06-05 (PCT/CN2020/094489)
[87] (WO2020/244606)
[30] CN (PCT/CN2019/090366) 2019-06-06

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[25] EN
[54] ANTI-B7-H4 ANTIBODY-DRUG CONJUGATE AND MEDICINAL USE THEREOF
[54] CONJUGUE ANTICORPS-MEDICAMENT ANTI-B7-H4 ET UTILISATION MEDICALE ASSOCIEE
[72] HUA, HAIQING, CN
[72] LIU, SUXIA, CN
[72] BAO, RUDI, CN
[71] SHANGHAI HANSOH BIOMEDICAL CO., LTD., CN
[71] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2021-12-03
[86] 2020-06-08 (PCT/CN2020/094856)
[87] (WO2020/244657)
[30] CN (201910498993.2) 2019-06-06
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[25] EN
[54] METHOD FOR TREATING CANCER PATIENTS USING C-MET INHIBITOR
[54] PROCEDE DE TRAITEMENT DE PATIENTS CANCEREUX A L'AIDE D'UN INHIBITEUR DE C-MET
[72] YANG, LAN, CN
[72] SHI, QIAN, CN
[72] REDKAR, SANJEEV, US
[72] YU, GUOLIANG, US
[72] BENEDETTI, FABIO MAURIZIO, US
[72] ZHANG, XIAOLING, US
[72] MA, BIAO, US
[71] APOLLOMICS INC. (HANGZHOU), CN
[85] 2021-12-03
[86] 2020-06-08 (PCT/CN2020/094824)
[87] (WO2020/244654)
[30] CN (PCT/CN2019/090294) 2019-06-06
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[25] EN
[54] MICROFLUIDIC DEVICE AND METHOD FOR MANUFACTURING THE SAME
[54] DISPOSITIF MICROFLUIDIQUE ET PROCEDE DE FABRICATION ASSOCIE
[72] GU, YU, CN
[71] SUZHOU SKYWELL HEALTHCARE INFORMATION CO., LTD., CN
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[87] (WO2020/253647)
[30] CN (201910521085.0) 2019-06-17

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- [25] EN
- [54] ELECTROMAGNETIC WAVE TRANSMISSION REDUCING MATERIAL
- [54] MATERIAU REDUISANT LA TRANSMISSION D'ONDES ELECTROMAGNETIQUES
- [72] GUBBELS, ERIK, DE
- [72] HENNIG, INGOLF, DE
- [72] EIBECK, PETER, DE
- [72] SCHÖEMER, MARTINA, DE
- [71] BASF SE, DE
- [85] 2021-12-03
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- [30] DE (10 2019 006 228.0) 2019-06-05

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- [25] EN
- [54] COMBINATION THERAPY COMPRISING AN ANTI-CD19 ANTIBODY DRUG CONJUGATE AND A PI3K INHIBITOR OR A SECONDARY AGENT
- [54] POLYTHERAPIE COMPRENANT UN CONJUGUE MEDICAMENT-ANTICORPS ANTI-CD19 ET UN INHIBITEUR DE PI3K OU UN AGENT SECONDAIRE
- [72] ZAMMARCHI, FRANCESCA, GB
- [72] BERTONI, FRANCESCO, CH
- [71] ADC THERAPEUTICS SA, CH
- [85] 2021-12-03
- [86] 2020-06-08 (PCT/EP2020/065880)
- [87] (WO2020/249528)
- [30] GB (1908233.8) 2019-06-10
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- [25] EN
- [54] FLUID LINE HAVING A PIPE
- [54] CONDUITE DE FLUIDE POURVUE D'UN TUYAU
- [72] BAUER, ANDREAS, DE
- [71] NORMA GERMANY GMBH, DE
- [85] 2021-12-03
- [86] 2020-07-13 (PCT/EP2020/069702)
- [87] (WO2021/009095)
- [30] DE (10 2019 119 108.4) 2019-07-15

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- [25] EN
- [54] RAZOR CARTRIDGE
- [54] CARTOUCHE DE RASOIR
- [72] ZOGRAFOS, GEORGIOS, GR
- [72] PREZA, IOANNA, GR
- [72] BOZIKIS, IOANNIS, GR
- [71] BIC-VIOLEX S.A., GR
- [85] 2021-12-03
- [86] 2020-07-30 (PCT/EP2020/071492)
- [87] (WO2021/019008)
- [30] EP (19189470.8) 2019-07-31

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- [25] EN
- [54] PRECAST BLOCK FOR HOUSING AND ROUTING ELECTRICAL POWER CABLES, AN ELECTRIC VEHICLE CHARGING STATION USING THE BLOCK AND A MANUFACTURING METHOD
- [54] BLOC PREFABRIQUE POUR LOGER ET ACHEMINER DES CABLES D'ALIMENTATION ELECTRIQUE, STATION DE CHARGE DE VEHICULE ELECTRIQUE UTILISANT LE BLOC ET PROCEDE DE FABRICATION
- [72] PALMER, TREVOR, GB
- [71] EV BLOCKS LTD, GB
- [85] 2021-12-03
- [86] 2020-06-08 (PCT/GB2020/051385)
- [87] (WO2020/245613)
- [30] GB (1908059.7) 2019-06-06
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- [25] EN
- [54] A MOUTHPIECE AND AN ARTICLE FOR USE IN AN AEROSOL PROVISION SYSTEM
- [54] EMBOUT BUCCAL ET ARTICLE A UTILISER DANS UN SYSTEME DE FOURNITURE D'AEROSOL
- [72] DUBEY, UMESH, GB
- [72] SPENDLOVE, DAVID, GB
- [72] DAVIES, IANTO, GB
- [72] GRISHCHENKO, ANDREI, GB
- [71] NICOVENTURES TRADING LIMITED, GB
- [85] 2021-12-03
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[25] EN
[54] PROCESS AND INTEGRATED PLANT FOR THE TREATMENT OF THE CARBON OXIDES FORMED IN THE PRODUCTION OF ALUMINUM
[54] PROCEDE ET ENSEMBLE D'INSTALLATIONS PERMETTANT DE TRAITER LES OXYDES DE CARBONE RESULTANT DE LA PRODUCTION DE L'ALUMINIUM
[72] SCHEIFF, FREDERIK, DE
[72] LEDUC, MARC, DE
[72] BODE, ANDREAS, DE
[72] BUEKER, KARSTEN, DE
[72] ANTWEILER, NICOLAI, DE
[71] BASF SE, DE
[71] THYSSENKRUPP AG, DE
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE
[85] 2021-12-03
[86] 2020-05-28 (PCT/EP2020/064778)
[87] (WO2020/245015)
[30] EP (19178470.1) 2019-06-05

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[25] EN
[54] REDUCED NICOTINAMIDERIBOSIDES FOR TREATING OR PREVENTING KIDNEY DISEASE
[54] NICOTINAMIDE RIBOSIDES REDUITS POUR TRAITER OU PREVENIR UNE MALADIE RENALE
[72] CANTO ALVAREZ, CARLES, CH
[72] CHRISTEN, STEFAN, CH
[72] GINER, MARIA PILAR, CH
[72] GIROUD-GERBETANT, JUDITH, ES
[72] MOCO, SOFIA, CH
[72] BARTOVA, SIMONA, CH
[72] MIGAUD, MARIE, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2021-12-03
[86] 2020-06-03 (PCT/EP2020/065332)
[87] (WO2020/245187)
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[25] EN
[54] ALTERNATIVE PROCESS FOR THE PREPARATION OF 4-PHENYL-5-ALKOXYCARBONYL-2-THIAZOL-2-YL-1,4-DIHYDROPYRIMIDIN-6-YL|METHYL]-3-OXO-5,6,8,8A-TETRAHYDRO-1H-IMIDAZO[1,5-A]PYRAZIN-2-YL]-CARBOXYLIC ACID
[54] PROCEDE DE RECHARGE POUR LA PREPARATION D'ACIDE 4-PHENYL-5-ALKOXYCARBONYL-2-THIAZOL-2-YL-1,4-DIHYDROPYRIMIDIN-6-YL|METHYL]-3-OXO-5,6,8,8A-TETRAHYDRO-1H-IMIDAZO[1,5-A]PYRAZIN-2-YL]-CARBOXYLIQUE
[72] FISHLOCK, DANIEL VINCENT, CH
[72] LIU, JIANSHU, CN
[72] SPURR, PAUL, CH
[72] WUITSCHIK, GEORG, CH
[72] XU, ZHIXIANG, CN
[72] ZHANG, FUGUI, CN
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2021-12-03
[86] 2020-06-04 (PCT/EP2020/065424)
[87] (WO2020/245246)
[30] CN (PCT/CN2019/090358) 2019-06-06

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[25] EN
[54] METHOD FOR DRIVING MACHINES IN AN ETHYLENE PLANT STEAM GENERATION CIRCUIT, AND INTEGRATED ETHYLENE AND POWER PLANT SYSTEM
[54] PROCEDE D'ENTRAINEMENT DE MACHINES DANS UN CIRCUIT DE GENERATION DE VAPEUR D'USINE D'ETHYLENE ET SYSTEME INTEGRE D'ETHYLENE ET DE CENTRALE ELECTRIQUE
[72] OUD, PETER, NL
[71] TECHNIP FRANCE, FR
[85] 2021-12-03
[86] 2020-06-05 (PCT/EP2020/065644)
[87] (WO2020/245370)
[30] EP (19178729.0) 2019-06-06

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[51] Int.Cl. A61P 35/00 (2006.01) C07K 16/28 (2006.01)
[25] EN
[54] ANTI-MITOTIC COMPOSITION COMPRISING ANTIBODIES AGAINST ZIP6 AND/OR ZIP10
[54] COMPOSITION ANTI-MITOTIQUE COMPRENANT DES ANTICORPS DIRIGES CONTRE ZIP6 ET/OU ZIP10
[72] TAYLOR, KATHRYN, GB
[71] UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED, GB
[85] 2021-12-03
[86] 2020-06-05 (PCT/EP2020/065653)
[87] (WO2020/249483)
[30] GB (1908208.0) 2019-06-10

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[51] Int.Cl. C12Q 1/6886 (2018.01)
[25] EN
[54] COMPOSITIONS AND METHODS FOR TREATING LUNG, COLORECTAL AND BREAST CANCER
[54] COMPOSITIONS ET METHODES DE TRAITEMENT DES CARCINOMES PULMONAIRES, COLORECTAUX ET MAMMAIRES
[72] KORNMAN, KENNETH S., US
[72] DOUCETTE-STAMM, LYNN, US
[72] DUFF, GORDON W., GB
[71] SITOKINE LIMITED, GB
[85] 2021-12-03
[86] 2020-06-05 (PCT/EP2020/065692)
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[30] US (62/858,147) 2019-06-06

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[25] EN
[54] ROTARY SURGICAL CUTTING TOOL AND RELATED ACCESSORIES
[54] OUTIL DE COUPE CHIRURGICAL ROTATIF ET ACCESSOIRES ASSOCIES
[72] VAUGHAN, AIDAN, IE
[72] CONNOLLY, EOIN, IE
[72] EUSTACE, DAVID, IE
[72] O'SHEA, CONOR, IE
[71] STRYKER EUROPEAN OPERATIONS LIMITED, IE
[85] 2021-12-03
[86] 2020-06-05 (PCT/IB2020/055338)
[87] (WO2020/245802)
[30] US (62/857,959) 2019-06-06
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[25] EN
[54] METHODS AND REAGENTS FOR NUCLEIC ACID AMPLIFICATION AND/OR DETECTION
[54] PROCEDES ET REACTIFS PERMETTANT L'AMPLIFICATION ET/OU LA DETECTION D'ACIDES NUCLEIQUES
[72] UNRAU, PETER J., CA
[72] ABDOLAHZADEH, AMIR, CA
[71] SIMON FRASER UNIVERSITY, CA
[85] 2021-12-03
[86] 2020-06-07 (PCT/IB2020/055348)
[87] (WO2020/245808)
[30] US (62/858,874) 2019-06-07

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[51] Int.Cl. A01K 67/033 (2006.01)
[25] EN
[54] INSECT DRINKING WATER SUPPLY
[54] ALIMENTATION EN EAU POTABLE POUR INSECTES
[72] JANSEN, JACO, NL
[72] LEVER, WILLEMIJN HELEEN, NL
[72] SCHOL, HENDRIKUS ANT, NL
[72] LEUSHUIS, RAYMOND JOSEPH, NL
[71] PROTIX B.V., NL
[85] 2021-12-03
[86] 2020-06-03 (PCT/NL2020/050353)
[87] (WO2020/246876)
[30] US (62/857,851) 2019-06-06
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[25] EN
[54] VAPORIZING SYSTEM AND DISPOSABLE CAPSULES FOR USE THEREWITH
[54] SYSTEME DE VAPORISATION ET CAPSULES JETABLES DESTINEES A ETRE UTILISEES AVEC CELUI-CI
[72] WEIGENBERG, ISAAC, IL
[72] KUNIN, GREGORY, IL
[72] MALKA, YUVAL, IL
[72] KALO, ARIE, IL
[71] CTH LTD., IL
[85] 2021-12-03
[86] 2020-06-04 (PCT/IL2020/050625)
[87] (WO2020/245828)
[30] IL (267118) 2019-06-05

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[51] Int.Cl. A61K 31/728 (2006.01) A61K 31/737 (2006.01) A61K 47/36 (2006.01) A61P 1/04 (2006.01) A61P 19/02 (2006.01)
[25] EN
[54] IDENTIFICATION AND SELECTION OF A PLANT STARTING MATERIAL OF PLANT CHONDROITIN SULFATE AND HYALURONIC ACID, AND TRANSFORMATION OF SUCH PLANT STARTING MATERIAL TO OBTAIN INGREDIENTS FOR USE IN FOODS, SUPPLEMENTS, MEDICAL DEVICES OR DRUGS
[54] IDENTIFICATION ET SELECTION D'UN PRECURSEUR DE PLANTE DE SULFATE DE CHONDROITINE ET D'ACIDE HYALURONIQUE DE PLANTE, ET TRANSFORMATION DUDIT PRECURSEUR DE PLANTE POUR OBTENIR DES INGREDIENTS DESTINES A ETRE UTILISES DANS DES ALIMENTS, DES SUPPLEMENTS, DES DISPOSITIFS MEDICAUX OU DANS DES MEDICAMENTS
[72] CERANA, GIORGIO STEFANO, DE
[72] BOS, PETER, DE
[71] VIVATIS PHARMA GMBH, DE
[85] 2021-12-03
[86] 2020-06-08 (PCT/IB2020/055362)
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 - [25] EN
 - [54] FLUOROSCOPIC VISUALIZATION OF HEART VALVE ANATOMY
 - [54] VISUALISATION FLUOROSCOPIQUE DE L'ANATOMIE D'UNE VALVULE CARDIAQUE
 - [72] SHEPS, TAL, IL
 - [72] IFLAH, EHUD, IL
 - [72] HERMAN, YARON, IL
 - [72] SHARON, ASSAF, IL
 - [72] MANASH, BOAZ, IL
 - [72] CHAPPEL-RAM, SHLOMIT, IL
 - [72] HOFFER, ERAN, IL
 - [72] COHEN, OR, IL
 - [72] GORDON, VADIM, IL
 - [72] HABERMAN BROWNS, BEZALEL, IL
 - [72] REICH, TAL, IL
 - [72] BEN SHAHAR, TAL, IL
 - [72] PEER, AMIT, IL
 - [72] TENNENBAUM, GAD, IL
 - [72] HAROOSH, LIOR, IL
 - [72] KUTZIK, MEIR, IL
 - [72] KASHER, YUVAL, IL
 - [72] CHERNIN, OR, IL
 - [72] CRUZ ROMITO, EVA, US
 - [72] AVIVI, SARIT, IL
 - [71] VALTECH CARDIO, LTD., IL
 - [85] 2021-12-03
 - [86] 2020-07-22 (PCT/IL2020/050807)
 - [87] (WO2021/014439)
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- [25] EN
- [54] DYNAMIC SUPPORT STRUCTURE FOR SOLAR PANELS
- [54] STRUCTURE DE SUPPORT DYNAMIQUE POUR PANNEAUX SOLAIRES
- [72] CAVALLI, MANUELE, IT
- [72] CAVALLI, TOMMASO, IT
- [71] AXET S.R.L., IT
- [85] 2021-12-03
- [86] 2020-05-13 (PCT/IT2020/050117)
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 - [25] EN
 - [54] ANTIBODY CLEAVAGE SITE BINDING MOLECULE
 - [54] MOLECULE DE LIAISON A UN SITE DE CLIVAGE D'ANTICORPS
 - [72] SAKURAI, MIKA, JP
 - [72] IGAWA, TOMOYUKI, SG
 - [72] KOMORI, YASUNORI, JP
 - [72] TAMADA, KOJI, JP
 - [72] SAKODA, YUKIMI, JP
 - [71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
 - [71] YAMAGUCHI UNIVERSITY, JP
 - [85] 2021-12-03
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 - [87] (WO2020/246563)
 - [30] JP (2019-105761) 2019-06-05
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- [25] EN
- [54] STEEL SHEET FOR CANS AND METHOD OF PRODUCING SAME
- [54] TOLE D'ACIER POUR CANETTE ET SON PROCEDE DE FABRICATION
- [72] KARIYA, NOBUSUKE, JP
- [72] SHIIMORI, FUSAE, JP
- [72] KOJIMA, KATSUMI, JP
- [72] OTANI, DAISUKE, JP
- [71] JFE STEEL CORPORATION, JP
- [85] 2021-12-03
- [86] 2020-06-08 (PCT/JP2020/022579)
- [87] (WO2020/261965)
- [30] JP (2019-116706) 2019-06-24

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 - [25] EN
 - [54] TERMINAL AND TRANSMISSION METHOD
 - [54] TERMINAL ET PROCEDE D'EMISSION
 - [72] TAKAHASHI, HIDEAKI, JP
 - [72] HANAKI, AKIHITO, JP
 - [72] HARADA, HIROKI, JP
 - [72] OHARA, TOMOYA, JP
 - [71] NTT DOCOMO, INC., JP
 - [85] 2021-12-03
 - [86] 2019-07-09 (PCT/JP2019/027173)
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- [25] EN
- [54] COMPOSITION FOR CONVERTING RADIOACTIVE SUBSTANCE INTO NON-RADIOACTIVE SUBSTANCE AND A METHOD OF PREPARING THE COMPOSITION
- [54] COMPOSITION POUR LA CONVERSION ELEMENTAIRE D'UNE SUBSTANCE RADIOACTIVE EN SUBSTANCE NON RADIOACTIVE ET PROCEDE DE PREPARATION DE LA COMPOSITION
- [72] YUM, KYU JIN, KR
- [71] COENBIO CO., LTD., KR
- [85] 2021-12-03
- [86] 2019-07-09 (PCT/KR2019/008451)
- [87] (WO2021/006380)

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[25] EN
[54] CASCADING MODELS FOR OPTIMIZATION OF FABRICATION AND DESIGN OF A PHYSICAL DEVICE
[54] ASSOCIATION EN CASCADE DE MODELES POUR L'OPTIMISATION DE LA FABRICATION ET DE LA CONCEPTION D'UN DISPOSITIF PHYSIQUE
[72] ADOLF, BRIAN, US
[72] SCHUBERT, MARTIN, US
[72] LU, JESSE, US
[71] X DEVELOPMENT LLC, US
[85] 2021-12-03
[86] 2020-05-21 (PCT/US2020/033930)
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[25] EN
[54] SYSTEM AND METHOD FOR REARING INVERTEBRATES
[54] SYSTEME ET PROCEDE POUR ELEVER DES INVERTEBRES
[72] DE GELDER, VINCENT, NL
[72] JANSEN, MAURITS PETRUS MARIA, NL
[72] AARTS, KEES WILHELMUS PETRUS, NL
[72] BAZELMANS, STEFAN, NL
[72] SCHMITT, ERIC HOLLAND, BE
[71] PROTIX B.V., NL
[85] 2021-12-03
[86] 2020-06-03 (PCT/NL2020/050355)
[87] (WO2020/246878)
[30] US (62/857,885) 2019-06-06
[30] NL (2023404) 2019-06-28

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[25] EN
[54] SYSTEMS AND METHODS FOR FACILITATING NETWORK REQUESTS
[54] SYSTEMES ET PROCEDES DESTINES A FACILITER DES DEMANDES DE RESEAU
[72] KELLETT, PAUL, GB
[72] JUDGE, EDWARD WILLIAM, GB
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2021-12-03
[86] 2020-05-22 (PCT/US2020/034128)
[87] (WO2020/247188)
[30] US (62/858,017) 2019-06-06

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[25] EN
[54] AN IMMUNOGENIC SEROTYPE 35B PNEUMOCOCCAL POLYSACCHARIDE-PROTEIN CONJUGATE AND CONJUGATION PROCESS FOR MAKING THE SAME
[54] CONJUGUE POLYSACCHARIDE PNEUMOCOCCIQUE DE SEROTYPE 35B IMMUNOGENE ET DE PROTEINE, ET PROCEDE DE CONJUGAISON POUR LA FABRICATION DE CELUI-CI
[72] HE, JIAN, US
[72] MCHUGH, PATRICK, US
[72] PHILLIPS, KATHERINE M., US
[72] SANTIAGO-MIRANDA, ADRIANA N., US
[71] MERCK SHARP & DOHME CORP., US
[85] 2021-12-03
[86] 2020-06-01 (PCT/US2020/035509)
[87] (WO2020/247299)
[30] US (62/857,524) 2019-06-05

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[51] Int.Cl. A01K 67/033 (2006.01) B65G 51/01 (2006.01)
[25] EN
[54] CONNECTOR ASSEMBLY, SYSTEM AND METHOD FOR CONVERTING A BATCH WISE SUPPLY OF INSECTS TO A CONTINUOUS SUPPLY OF INSECTS
[54] ENSEMBLE CONNECTEUR, SYSTEME ET PROCEDE POUR CONVERTIR UNE ALIMENTATION PAR LOTS D'INSECTES EN UNE ALIMENTATION CONTINUE D'INSECTES
[72] DE WOLF, LUCIUS PETRUS CORNELIS, NL
[72] HARMS, STIJN, NL
[72] AARTS, KEES WILHELMUS PETRUS, NL
[72] SCHMITT, ERIC HOLLAND, BE
[71] PROTIX B.V., NL
[85] 2021-12-03
[86] 2020-06-03 (PCT/NL2020/050356)
[87] (WO2020/246879)
[30] US (62/858,338) 2019-06-07
[30] NL (2023406) 2019-06-28

[21] 3,142,695
[13] A1

[51] Int.Cl. B60R 13/02 (2006.01) F16B 5/04 (2006.01)
[25] EN
[54] VEHICLE HEADLINER SYSTEM AND METHOD FOR INSTALLING THE SAME
[54] SYSTEME DE GARNITURE DE TOIT DE VEHICULE ET SON PROCEDE D'INSTALLATION
[72] ENGELHARDT, THOMAS A., US
[71] TEIJIN AUTOMOTIVE TECHNOLOGIES, INC., US
[85] 2021-12-03
[86] 2020-06-01 (PCT/US2020/035502)
[87] (WO2021/211147)
[30] US (62/856,188) 2019-06-03
[30] US (16/862,654) 2020-04-30

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[21] 3,142,696
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- [25] EN
- [54] INSECT BREEDING DEVICE
- [54] DISPOSITIF D'ELEVAGE D'INSECTES
- [72] JANSEN, JACO, NL
- [72] SCHOL, HENDRIKUS ANT, NL
- [72] JURGENS, BASTIAAN FREDERIK, NL
- [71] PROTIX B.V., NL
- [85] 2021-12-03
- [86] 2020-06-03 (PCT/NL2020/050357)
- [87] (WO2020/246880)
- [30] US (62/858,339) 2019-06-07
- [30] NL (2023313) 2019-06-14

[21] 3,142,697
[13] A1

- [51] Int.Cl. A61K 38/16 (2006.01) A61K 47/64 (2017.01) A61K 39/09 (2006.01) A61K 39/39 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)
- [25] EN
- [54] METHODS OF TREATING PATIENTS WITH AN IMMUNOGENIC COMPOSITION THAT PROTECTS AGAINST S. PNEUMONIAE SEROTYPE 29
- [54] PROCEDES DE TRAITEMENT DE PATIENTS AVEC UNE COMPOSITION IMMUNOGENE QUI PROTEGE CONTRE LE SEROTYPE 29 DE S. PNEUMONIAE
- [72] HE, JIAN, US
- [72] KAUFHOLD, ROBIN M., US
- [72] SKINNER, JULIE M., US
- [72] XIE, JINFU, US
- [71] MERCK SHARP & DOHME CORP., US
- [85] 2021-12-03
- [86] 2020-06-01 (PCT/US2020/035511)
- [87] (WO2020/247301)
- [30] US (62/857,534) 2019-06-05

[21] 3,142,698
[13] A1

- [51] Int.Cl. B01D 19/00 (2006.01) C07C 273/04 (2006.01)
- [25] EN
- [54] UREA PLANT WITH STRIPPER AND STRIPPING METHOD
- [54] USINE D'UREE AVEC DECAPANT ET PROCEDE DE DECAPAGE
- [72] GEVERS, LAMBERTUS WILHELMUS, NL
- [72] COLOMA GONZALEZ, JUAN, NL
- [71] STAMICARBON B.V., NL
- [85] 2021-12-03
- [86] 2020-06-05 (PCT/NL2020/050364)
- [87] (WO2020/246886)
- [30] EP (19179019.5) 2019-06-07

[21] 3,142,699
[13] A1

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- [25] EN
- [54] COMPOSITIONS AND METHODS OF DETECTING AND TREATING THROMBOSIS AND VASCULAR PLAQUES
- [54] COMPOSITIONS ET METHODES DE DETECTION ET DE TRAITEMENT DE LA THROMBOSE ET DE PLAQUES VASCULAIRES
- [72] UNGER, EVAN C., US
- [72] MEUILLET, EMMANUELLE J., US
- [72] DAYEI, IMAN, US
- [72] ACOSTA, MARIA F., US
- [71] MICROVASCULAR THERAPEUTICS, LLC, US
- [85] 2021-12-03
- [86] 2020-06-01 (PCT/US2020/035580)
- [87] (WO2020/247315)
- [30] US (62/857,766) 2019-06-05

[21] 3,142,700
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- [25] EN
- [54] METHOD OF FEEDING A GROUP OF ANIMALS AT A FEEDING LOCATION AND SYSTEM FOR PERFORMING THE METHOD
- [54] PROCEDE D'ALIMENTATION D'UN GROUPE D'ANIMAUX AU NIVEAU D'UN EMPLACEMENT D'ALIMENTATION ET SYSTEME POUR METTRE EN OUVRE LE PROCEDE
- [72] BLOKLAND, KORSTIAAN CORNELIS, NL
- [72] VAN DEN BERG, KAREL, NL
- [72] PASTOOR, JAN LAMBERTUS, NL
- [72] SIE, HOWARD, NL
- [72] LI, YAN, NL
- [72] VAN DIJK, SAMUEL, NL
- [72] HUYZER, ARIE, NL
- [71] LELY PATENT N.V., NL
- [85] 2021-12-03
- [86] 2020-06-19 (PCT/NL2020/050393)
- [87] (WO2020/263079)
- [30] NL (2023390) 2019-06-26

[21] 3,142,702
[13] A1

- [51] Int.Cl. A61K 31/225 (2006.01) A61K 9/48 (2006.01)
- [25] EN
- [54] DELAYED RELEASE SOFTGEL CAPSULES
- [54] CAPSULES MOLLES A LIBERATION RETARDEE
- [72] FANG, QI, US
- [72] SUKURU, KARUNAKAR, US
- [71] R.P. SCHERER TECHNOLOGIES, LLC, US
- [85] 2021-12-03
- [86] 2020-06-02 (PCT/US2020/035666)
- [87] (WO2020/247352)
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 - [25] EN
 - [54] SYSTEM FOR MOWING PLANTS, IN PARTICULAR GRASS, AND METHOD OF FEEDING ANIMALS BY MEANS OF SUCH A SYSTEM
 - [54] SYSTEME DE FAUCHAGE DE PLANTES, EN PARTICULIER D'HERBE, ET PROCEDE D'ALIMENTATION D'ANIMAUX AU MOYEN D'UN TEL SYSTEME
 - [72] BLOKLAND, KORSTIAAN CORNELIS, NL
 - [72] VAN DEN BERG, KAREL, NL
 - [72] WISSE, DIK-JAN, NL
 - [72] VAN DIJK, SAMUEL, NL
 - [71] LELY PATENT N.V., NL
 - [85] 2021-12-03
 - [86] 2020-06-23 (PCT/NL2020/050409)
 - [87] (WO2020/263084)
 - [30] NL (2023387) 2019-06-26
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[13] A1

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- [54] GUIDE DIRIGEABLE DESTINE A LA CHIRURGIE A INVASION MINIMALE
- [72] CHANG, DOYOUNG, US
- [72] CAJIGAS, IAHN, US
- [72] IVAN, MICHAEL E., US
- [71] UNIVERSITY OF MIAMI, US
- [85] 2021-12-03
- [86] 2020-06-02 (PCT/US2020/035770)
- [87] (WO2020/247402)
- [30] US (62/856,487) 2019-06-03

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[13] A1

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 - [25] EN
 - [54] ARRANGEMENT OF A DRIVE WHEEL FOR AN ENDLESS TRACK OF A TRACKED VEHICLE
 - [54] AGENCEMENT D'UNE ROUE D'ENTRAINEMENT POUR UNE CHENILLE D'UN VEHICULE A CHENILLES
 - [72] WESTBERG, BJORN, SE
 - [72] BERGKVIST, ANDERS, SE
 - [71] BAE SYSTEMS HAGGLUNDS AKTIEBOLAG, SE
 - [85] 2021-12-03
 - [86] 2020-06-04 (PCT/SE2020/050563)
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 - [30] SE (1950678-1) 2019-06-07
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[13] A1

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- [25] EN
- [54] SYSTEMS AND METHODS FOR OPERATING AN OUTPUT DEVICE
- [54] SYSTEMES ET PROCEDES DE COMMANDE D'UN DISPOSITIF DE SORTIE
- [72] QUINN, ALEXANDER CLIFFORD HUNT, US
- [72] LOWREY, JOHN F., US
- [71] DISRUPTEL, INC., US
- [85] 2021-12-03
- [86] 2019-06-04 (PCT/US2019/035391)
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[13] A1

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 - [25] EN
 - [54] COMPOSITIONS AND METHODS FOR TREATING PAIN IN SUBJECTS WITH RHEUMATOID ARTHRITIS
 - [54] COMPOSITIONS ET PROCEDES DE TRAITEMENT DE LA DOULEUR CHEZ DES SUJETS ATTEINTS DE POLYARTHRITE RHUMATOIDE
 - [72] FIORE, STEFANO, US
 - [72] BOKLAGE, SUSAN, US
 - [72] KIMURA, TOSHIO, US
 - [72] ST. JOHN, GREGORY, US
 - [72] WEI, WENHUI, US
 - [72] BYKERK, VIVIAN, US
 - [71] SANOFI BIOTECHNOLOGY, FR
 - [71] REGENERON PHARMACEUTICALS, INC., US
 - [71] FIORE, STEFANO, US
 - [85] 2021-12-03
 - [86] 2020-06-03 (PCT/US2020/035871)
 - [87] (WO2020/247461)
 - [30] US (62/857,247) 2019-06-04
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 - [30] EP (20305191.7) 2020-02-27
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- [25] EN
- [54] IMIDAZO[1,2-C]PYRIMIDINE DERIVATIVES AS PRC2 INHIBITORS FOR TREATING CANCER
- [54] DERIVES D'IMIDAZO [1,2-C]PYRIMIDINE UTILISES COMME INHIBITEURS DE PRC2 POUR LE TRAITEMENT DU CANCER
- [72] MARX, MATTHEW ARNORD, US
- [72] KETCHAM, JOHN MICHAEL, US
- [72] BURNS, AARON CRAIG, US
- [71] MIRATI THERAPEUTICS, INC., US
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[25] EN
[54] **2,3,5-TRISUBSTITUTED PYRAZOLO[1,5-A]PYRIMIDINE COMPOUNDS**
[54] **COMPOSES DE PYRAZOLO[1,5-A]PYRIMIDINE 2,3,5-TRISUBSTITUES**
[72] BEATTY, JOEL WORLEY, US
[72] DREW, SAMUEL LAWRIE, US
[72] FOURNIER, JEREMY THOMAS ANDRE, US
[72] JEFFREY, JENNA LEIGH, US
[72] LAWSON, KENNETH VICTOR, US
[72] LELETI, MANMOHAN REDDY, US
[72] MAILYAN, ARTUR KARENICH, US
[72] MATA, GUILLAUME, US
[72] MILES, DILLON HARDING, US
[72] POWERS, JAY PATRICK, US
[72] SHARIF, EHESAN UL, US
[72] THOMAS-TRAN, RHIANNON, US
[72] YAN, XUELEI, US
[71] ARCUS BIOSCIENCES, INC., US
[85] 2021-12-03
[86] 2020-06-03 (PCT/US2020/035920)
[87] (WO2020/247496)
[30] US (62/857,148) 2019-06-04

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[13] A1

[51] Int.Cl. A61P 37/06 (2006.01) C07K 16/28 (2006.01)
[25] EN
[54] **PD-1 AGONIST AND METHOD OF USING SAME**
[54] **AGONISTE PD-1 ET SON PROCEDE D'UTILISATION**
[72] KEHRY, MARILYN, US
[72] PARMLEY, STEPHEN, US
[72] MORSE, ROBERT P., US
[72] GOLD, GREGORY N., US
[72] FISHER, JANEAN, US
[72] DAHL, MARTIN EDWARD, US
[72] MARINO, MARGARET HABASH, US
[72] KALAPANDA, RUPAL, US
[71] ANAPTYSBIO, INC., US
[85] 2021-12-03
[86] 2020-06-04 (PCT/US2020/036143)
[87] (WO2020/247648)
[30] US (62/857,699) 2019-06-05
[30] US (62/863,193) 2019-06-18
[30] US (62/983,512) 2020-02-28

[21] **3,142,713**
[13] A1

[51] Int.Cl. C07D 487/02 (2006.01)
[25] EN
[54] **COMPOUNDS THAT DEGRADE KINASES AND USES THEREOF**
[54] **COMPOSES QUI DEGRADENT LES KINASES ET LEURS UTILISATIONS**
[72] HARKI, DANIEL A., US
[72] TANG, JIAN, US
[72] MOORTHY, RAMKUMAR, US
[72] AMARO, ROMMIE E., US
[72] DEMIR, OZLEM, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[71] REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2021-12-03
[86] 2020-06-03 (PCT/US2020/035977)
[87] (WO2020/247537)
[30] US (62/856,385) 2019-06-03

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[13] A1

[25] EN
[54] SOYBEAN EVENT SYHT0H2 AND COMPOSITIONS AND METHODS FOR DETECTION THEREOF
[54] SOJA COMPRENANT LE MECANISME DE TRANSFORMATION SYHT04R, ET COMPOSITIONS ET PROCEDES DE DETECTION DE CE MECANISME
[72] HIPSINKIND, JOHN DANIEL, US
[72] BURGIN, KRISTINA, US
[72] JAIN, RAKESH, US
[72] TERPSTRA, KAROLYN, US
[72] SIGAREVA, MARINA, US
[72] DE FRAMOND, ANNICK JEANNE, US
[72] BREITINGER, BECKY, US
[72] KRAMER, VANCE CARY, US
[72] GU, WEINING, US
[71] SYNGENTA PARTICIPATIONS AG, US
[22] 2011-12-09
[41] 2012-06-21
[62] 2,821,101
[30] US (61/423,131) 2010-12-15
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[21] 3,141,468
[13] A1

[51] Int.Cl. A61F 2/16 (2006.01) B29D 11/00 (2006.01)
[25] EN
[54] OPHTHALMIC IMPLANTS WITH EXTENDED DEPTH OF FIELD AND ENHANCED DISTANCE VISUAL ACUITY
[54]
[72] PINTO, CANDIDO DIONISIO, US
[72] FAY, CONSTANCE ELIZABETH, US
[71] STAAR SURGICAL COMPANY, US
[22] 2015-09-08
[41] 2016-03-17
[62] 2,960,503
[30] US (62/048,135) 2014-09-09
[30] US (62/048,705) 2014-09-10
[30] US (62/149,481) 2015-04-17

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[13] A1

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[25] EN
[54] FIRE SUPPRESSION SYSTEM AND PROCESS OF DEPLOYMENT
[54] SYSTEME D'EXTINCTION D'INCENDIE ET PROCEDE DE DEPLOIEMENT ASSOCIE
[72] RAYMOND, TERRY, CA
[71] FIRE & FLOOD EMERGENCY SERVICES LTD., CA
[22] 2019-03-13
[41] 2019-10-03
[62] 3,093,478
[30] US (62/648,092) 2018-03-26
[30] US (62/668,627) 2018-05-08

[21] 3,141,543
[13] A1

[25] EN
[54] APPARATUS FOR PURIFYING CRYSTALS USING SOLVENT VAPORS
[54] APPAREIL DE PURIFICATION DE CRISTAUX AU MOYEN DE VAPEURS DE SOLVANT
[72] GOODMAN, DAVID, III, US
[72] BETHERS, PRATT, US
[71] MAHGOUB, MAGDI, US
[71] GRAY, LORIN, US
[71] BETHERS, MARK, US
[71] BETHERS, PRATT, US
[71] PETERS, RAETH, US
[22] 2019-07-02
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[62] 3,048,361
[30] US (16/025,771) 2018-07-02

[21] 3,141,581
[13] A1

[51] Int.Cl. B27B 13/02 (2006.01) B27B 15/02 (2006.01) F16M 3/00 (2006.01) F16S 3/00 (2006.01)
[25] EN
[54] TACKING LAMINATED RAIL WITH INSET TRACK GUIDE
[54] CLOUAGE DE RAILS STRATIFIES AVEC GUIDE DE RAIL ENCASTRE
[72] CABRIT, SEBASTIEN, CA
[72] DALE, ASHLYNNE, CA
[71] NORWOOD INDUSTRIES INC., CA
[22] 2021-02-18
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[62] 3,109,307

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[13] A1

[51] Int.Cl. D21H 21/20 (2006.01) D21F 11/12 (2006.01) D21H 21/18 (2006.01)
[25] EN
[54] PROCESSES FOR MAKING IMPROVED CELLULOSE-BASED MATERIALS AND CONTAINERS
[54]
[72] HUSSAIN, SADAKAT, US
[72] REGEL, JAMES D., US
[71] INTERNATIONAL PAPER COMPANY, US
[22] 2021-06-07
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[62] 3,121,854
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[13] A1

- [25] EN
[54] **MULTI-STAGE CHAINED
FEEDBACK REGULATED
VOLTAGE SUPPLY**
[54]
[72] PETROVIC, BRANISLAV, US
[72] BREWER, KENNETH, US
[72] BUER, KENNETH, US
[72] KENT, STEVE, US
[72] JALALEDDINE, SATEH, US
[71] VIASAT, INC., US
[22] 2016-08-12
[41] 2017-02-23
[62] 2,995,587
[30] US (62/205,286) 2015-08-14
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[21] **3,142,415**
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- [25] EN
[54] **SYSTEMS AND METHODS FOR
INTELLIGENT GAS SOURCE
MANAGEMENT AND/OR
SYSTEMS AND METHODS FOR
DELIVERY OF THERAPEUTIC
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[54] **SYSTEMES ET PROCEDES DE
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[72] ACKER, JARON M., US
[72] FALLIGANT, JOHN C., US
[72] MILSAP, JEFF, US
[72] ROEHL, ROBIN, US
[72] SCHMIDT, JEFFREY, US
[72] TOLMIE, CRAIG R., US
[71] MALLINCKRODT HOSPITAL
PRODUCTS IP LIMITED, IE
[22] 2015-05-11
[41] 2015-11-12
[62] 2,941,761
[30] US (61/991,032) 2014-05-09
[30] US (61/991,028) 2014-05-09
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AMERE, MUKKANTI	3,062,003	BENESH, BETH	3,072,102	BRUNNER, BRIAN PAUL	2,997,140
AMIRAV, ISRAEL	3,051,326	BENGSSON, KJELL	2,940,641	BSH HOME APPLIANCES	
AMTIXBIO CO., LTD.	3,052,135	BENTOSA, CLAUDIA	2,944,711	CORPORATION	2,876,769
ANDERSEN, CURTIS S.	3,115,069	BERG, GUNNAR	2,930,761	BULOCK, KAREN G.	2,794,189
ANOSOV, VASILII SERGEEVICH	3,030,260	BERKSHIRE GREY, INC.	3,004,711	BURKHARD, RYAN ANDREW	3,035,965
ANTONSEN, ROGER	2,988,534	BESSOU, NICOLAS	2,964,019	BURNDY, LLC	3,060,258
APPLIED MEDICAL RESOURCES CORPORATION	2,912,069	BIDDLE, DANIEL T.	2,907,191	BURTSEV, ALEKSEJ	
AQUESTIVE THERAPEUTICS, INC.	2,906,050	BIDRAM, FARHANG	3,113,372	GENNAD'EVICH	3,054,401
AQUILON CYL SOCIEDAD LIMITADA	2,965,214	BIDRAM, FARHANG	3,114,020	BUTLER, DEREK	3,100,215
ARBELECHE, MATIAS	2,875,266	BIEWER, JOHN A.	3,069,753	BWXT MPOWER, INC.	2,870,613
ARDELEANU, MARIUS	2,883,936	BILAT, STEPHANE	3,052,380	CALLEGARI, SHAWN	2,928,714
ARISTIZBAL, MAURICIO	3,121,125	BINNER, CURT	2,935,219	CALMIANO, MARK DANIEL	2,930,347
ARRIS TECHNOLOGY, INC.	2,819,857	BIOATLA, INC.	2,804,746	CANDU ENERGY INC.	2,838,551
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		BOLEIS, GILDAS	2,940,453	CASCAO-PEREIRA, LUIS GUSTAVO	2,782,891
		BONNET, CEDRIC	2,914,362	CASSAYRE, JEROME YVES	2,879,794
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