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**The Patent  
Office  
Record**

**La Gazette  
du Bureau  
des brevets**

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**Canada**

CIPO  OPIC

# THE PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

David Tobin  
Commissioner of Patents

David Tobin  
Commissaire aux brevets

The Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Hull, Canada, to whom all communications other than those concerning subscriptions or requests for single copies should be addressed.

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La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Hull, Canada, à qui doit être adressée toute correspondance autre que les abonnements ou les commandes d'exemplaires séparés.

Le Bureau des brevets ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

### Important Notice to Subscribers

Since the issue of November 2, 1999, Public Works & Government Services Canada (PWGSC) is no longer managing subscriptions to the *Patent Office Record* (POR). PWGSC will provide subscribers with a credit and/or refund for the unused portion of their subscription.

The POR has been made available, free of charge, on CIPO's website at [cipo.gc.ca](http://cipo.gc.ca) or [strategis.ic.gc.ca/patents/record](http://strategis.ic.gc.ca/patents/record) since April 1999. Statistics show that many of our clients are making use of this electronic version. Improvements to the electronic format to facilitate speed of download have been implemented. Users now have the choice of downloading the complete document or each section individually. Current editions are posted weekly on Tuesdays and an archive of past editions dating from April 1999 is available as well.

In order to prevent disruption of service to those clients who still require printed copies, CIPO will, on request, print copies for distribution to current subscribers, free of charge until further notice, after which copies will be available for a fee.

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### Avis important aux abonnés

Veillez noter qu'à compter du numéro daté du 2 novembre 1999, Travaux publics et Services gouvernementaux Canada (TPSGC) a cessé de gérer les abonnements à la *Gazette du Bureau des brevets* (GBB). TPSGC remboursera les abonnés ou leur offrira un crédit pour les numéros non reçus.

Depuis avril 1999, on peut consulter ou télécharger la Gazette, sans frais, à partir du site Web de l'OPIC : [opic.gc.ca](http://opic.gc.ca) ou [strategis.ic.gc.ca/brevets/gazette](http://strategis.ic.gc.ca/brevets/gazette). D'après nos statistiques de nombreux clients utilisent la version électronique. Nous avons récemment modifié le format électronique de la Gazette afin d'améliorer la vitesse de téléchargement. Les utilisateurs ont désormais le choix entre télécharger le document en entier ou des sections individuelles. Les éditions courantes sont publiées tous les mardis et les numéros antérieurs (d'avril 1999 jusqu'à maintenant) sont aussi disponibles.

Dans le but d'éviter toute interruption de service aux clients qui désirent obtenir des exemplaires sur support papier, l'OPIC imprimera, sur demande, un certain nombre de copies. Ce service sera disponible gratuitement jusqu'à nouvel ordre, après quoi des frais s'appliqueront.

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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
  
- [43] - Date of publication by printing or similar process of an unexamined document on which no grant has taken place on or before the said date
  
- [45] - Date of Issue
- [48] - Reissue Grant Date
- [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 en-têtes 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 en-têtes des brevets sont des codes INID. Le sigle "INID" signifie "Identification numérique internationale des données bibliographiques". Ces codes sont utilisés pour l'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

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

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
  
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la convention de Paris
  
- [43] - Date de publication, par impression ou par un procédé similaire, d'un document non examiné, n'ayant encore donné lieu à la délivrance d'aucun titre à la date en question ou avant
  
- [45] - Date de délivrance
- [48] - Date de redélivrance
- [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] - Noms(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

A complete list of country codes has been published in the issue of October 24, 2000 and will be published twice a year in the last issues of April and October.

### 3. Canadian Class Titles

A numerical index of the Canadian classification titles will be published in the first issue of January each year.

Anyone desirous of ascertaining what classes are directed to subject matter in which he/she has a particular interest may write to the Patent Office for such information. Related subject matter sometimes appears in different classes and could be missed by those not fully familiar with the classification system. It is also possible to obtain on request an alphabetical listing of subject matter titles for the various classes by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9.

### 4. Class Schedules and Definitions

A schedule (list of subclasses in a class) for any class listed on these pages may be purchased by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9. Definitions of the type of subject matter found in any class or subclass may be purchased for most of the classes. The cost of these individual schedules and definitions is 50¢ per page reproduced by the Patent Office.

### 5. How to Purchase Paper Copies of Canadian Patents and Canadian Laid-Open Applications

Paper copies of Canadian Patents numbers 1 to 445,930 can be purchased at a cost of four dollars (\$4) per copy by visiting our web site at [www.strategis.ic.gc.ca/patentsorder](http://www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Hull, K1A 0C9.

Paper copies of all other Canadian Patents and Canadian Laid-Open Applications may be purchased at the cost of \$.50 per page by visiting [www.strategis.ic.gc.ca/patentsorder](http://www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Hull, K1A 0C9.

### 2. Code des pays

Une liste complète des codes de pays a été publiée dans le numéro du 24 octobre 2000 et sera republiée deux fois par année dans le dernier numéro des mois de avril et d'octobre.

### 3. Liste des classes canadiennes

Un index numérique des titres de la classification canadienne sera publié dans le premier numéro de janvier, à chaque année.

Toute personne désirant savoir dans quelles classes sont classifiés les sujets auxquels il/elle porte un intérêt particulier peut se renseigner en écrivant au Bureau des brevets. Des sujets connexes peuvent parfois figurer dans des classes différentes et une personne qui ne serait pas complètement familière avec le système de classification pourrait omettre les classes. On peut également obtenir une liste alphabétique des titres des objets classifiés dans les différentes classes en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9.

### 4. Listes et définitions des classes

Il est possible d'acheter les listes des sous-classes pour chacune des classes énumérées dans ces pages en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9. Des définitions selon les sujets se trouvant dans chaque classe ou sous-classe peuvent aussi être achetées pour la plupart des classes. Les prix de ces listes et définitions individuelles est de 0,50 \$ par page reproduite par le Bureau des brevets.

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

Les copies sur papier des brevets canadiens, numéros 1 à 445,930, sont disponibles au coût de quatre dollars (4 \$) par copie, en visitant notre site web à l'adresse suivante [www.strategis.ic.gc.ca/brevetscommande](http://www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Hull, K1A 0C9.

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 0.50\$ par page en visitant notre site web au [www.strategis.ic.gc.ca/brevetscommande](http://www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Hull, K1A 0C9.

## Notices

### 6. 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 .50\$ per page from the Patent Office.

### 7. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit on request from the Commissioner of Patents, Ottawa-Hull, 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 on request.

### 8. 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-Hull, 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.

### 9. Patents Available for Licence or Sale

An asterisk (\*) placed beside any patent listed in this issue of the 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 10 of these notices.

### 6. 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 expirés, peuvent être commandées auprès du Bureau des brevets au prix de 0,50 \$ la page.

### 7. 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-Hull, 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.

### 8. 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-Hull, 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.

### 9. 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. 10 des présents avis.

## Avis

### **10. List of Patents Available for Licence or Sale**

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

2,223,173

### **11. Laid-Open Applications**

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.

### **12. 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).

### **10. 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.

2,223,173

### **11. Demandes mises à la disponibilité du public**

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposées 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.

### **12. Langue du document publié**

Toute personne intéressée d'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.

## Notices

### 13. Patent Cooperation Treaty (PCT)

#### SCHEDULE OF FEES APPLICABLE AS OF JANUARY 1, 2002

FEES	AMOUNTS \$
1. <b>Transmittal Fee:</b> (Rule 14)	200.00
2*. <b>Basic Fee:</b>	639.00
Amount for each additional sheet over 30	15.00
3. <b>Designation Fee:</b> (Rule 15.2(a))	138.00
The maximum that can be charged for the Designation Fee is \$726.00; therefore, if more than 6 countries are designated the fee remains \$726.00	

4. **International Search Fee** 1,360.00  
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 Officer). If the International Application does not contain a priority claim, the Designation Fee is due within one year from the International Filing Date. These fees are to be paid in Canadian dollars and made payable to the Receiver General of 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 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.

5. **Late Payment Fee** 50% of the fees that are due, or,  
Minimum: Transmittal Fee  
Maximum: Basic Fee

#### Preliminary Examination

6. **Handling Fee:**  
(Rule 57.2(a)) 159 Euro Dollars

7. **Preliminary Examination Fee:**  
(Rule 58) 1,530 Euro Dollars

The Preliminary Examination Fees are paid in Deutsche Marks or Euro Dollars. They should be paid directly to the European Patent Office in Munich but may now be filed in the Canadian Receiving Office. Please note that the European Patent Office will NOT consider the fees as being received until they reach Europe. It is preferable to fax both the demand and a copy of the bank draft to the EPO at 011-4989-2399-4465.

\* International fees will be reduced by \$173.00 for all applications filed using PCT-Easy.

### 13. Traité de coopération en matière de brevets (PCT)

#### BARÈME DE TAXES À PARTIR DU 01 JANVIER 2002

TAXES	MONTANTS \$
1. <b>Taxe de transmission:</b> (Règle 14)	200,00
2*. <b>Taxe de base:</b>	639,00
Montant pour chaque feuille au delà de 30	15,00
3. <b>Taxe de désignation</b> (par pays) (Règle 15.2(a))	138,00
Le maximum payable pour la taxe de désignation est de 726,00 \$; donc, si plus que 6 pays sont désignés, la taxe demeure 726,00 \$.	

4. **Taxe de recherche internationale** 1 360,00  
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 du dépôt de la demande (soit la date de réception de la demande internationale). Si la demande ne contient pas de revendication de priorité, la taxe de désignation est due dans un délai d'un an à compter de la date du dépôt de la demande internationale. Les taxes doivent être payées en dollars canadien et sont payables au Receveur Générale du Canada.

Si l'office récepteur constate que le déposant ne lui a payé aucune taxe, il invite le déposant à lui payer, dans un délai d'un mois à compter de la date de l'invitation, le montant nécessaire pour couvrir ces taxes, majoré, le cas échéant, de la taxe pour paiement tardif visée à la règle 16bis.2.

5. **Taxe pour paiement tardif** 50% du montant impayé, ou,  
Minimum: taxe de transmission  
Maximum: taxe de base

#### Examen préliminaire

6. **Taxe de traitement:**  
(Règle 57.2(a)) 159 dollars euro

7. **Taxe d'examen préliminaire:**  
(Règle 58) 1 530 dollars euro

Les taxes d'examen préliminaire Deutsche Marks ou en Euro Dollars. Elles doivent être payées à l'Office européen des brevets mais peuvent être payées à l'Office récepteur du Canada. Veuillez noter que l'Office européen NE considérera PAS les honoraires comme étant reçu jusqu'à ce qu'ils atteignent l'Europe. Il est préférable d'envoyer la demande et une copie par fax de la traite bancaire au 011-4889-2399-4465.

\*Les frais seront réduits par 173,00 \$ pour toutes les demandes déposées en utilisant PCT-Easy.



## Avis

### 14. PCT Notices

#### PCT Signature Requirements

Please note that in conformity with the PCT requirements, the European Patent Office (EPO) requires that the signature identifies a physical person (whose name should be typewritten below the signature); where the person signs on behalf of a legal entity, the capacity should also be indicated (typewritten). (See PCT -Applicant's Guide, <http://www.wipo.int>).

#### Patent Cooperation Treaty (PCT)

Copies of the Patent Cooperation Treaty Applicants Guide and the Patent Cooperation Treaty & Regulations are available from WIPO 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 -World Intellectual Property Organization 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 at [publications.mail@wipo.int](mailto:publications.mail@wipo.int) or visit their website at <http://www.wipo.int>.

### 15. Canadian Laid-Open Applications

The Patent Office Record of January 22, 2002 contains laid-open applications from December 30, 2001 - January 5, 2002.

### 16. Notice

#### **PCT field format changes**

Please note that the display of the following fields has been changed to accommodate format changes in data received from the World Intellectual Property Organization (WIPO).

[86] "PCT International Filing Data" now includes the century and has been increased to a six-digit application number.

### 14. Avis PCT

#### Exigences des signatures du PCT

Veillez noter que conformément aux exigences du PCT, l'Office européen des brevets (OEB) réclame que la signature identifie une personne physique dont le nom dactylographié devrait apparaître au-dessous de la signature. Lorsque telle personne signe au nom d'une personne morale, il convient d'indiquer, également en caractères dactylographiques, la qualité du signataire. (Voir le Guide du déposant - PCT, <http://www.wipo.int>).

#### Traité de Coopération en matière de brevets (PCT)

Des copies du Guide du déposant - PCT ainsi que du Traité et des Règlements sont disponibles auprès de l'OMPI 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 - Organisation mondiale de la propriété intellectuelle 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 à [publications.mail@wipo.int](mailto:publications.mail@wipo.int) ou visiter leur site web à <http://www.wipo.int>.

### 15. Demandes Canadiennes mises à la disponibilité du public

Ce numéro de la Gazette des brevets du Canada contient les demandes disponibles au public pour consultation pour la période du 30 décembre 2001 - 5 janvier 2002.

### 16. Avis

#### **Changements apportés au format concernant les champs pour le PCT**

Afin de répondre aux changements concernant la présentation des données fournies par l'Organisation mondiale de la propriété intellectuelle (OMPI), veuillez prendre note que le format des champs suivants a été modifié.

[86] « Données du dépôt international selon le PCT » dorénavant comprend le siècle, ainsi le numéro de demande sera composé de six chiffres.

## Notices

[87] “PCT International Publication Data” now includes the century and has been increased to a six-digit publication number.

[87] « Données de publication internationale selon le PCT » dorénavant comprend le siècle, ainsi le numéro de publication sera composé de six chiffres.

## Avis

# Canadian Patents Issued

January 22, 2002

## Brevets canadiens délivrés

22 janvier 2002

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[11] **1,341,333**  
[13] C

[52] 195-1.235 167-37 167-205 195-1.22  
195-1.35 530-7.04  
[51] **Int.Cl. 7C12N 15/12 7C12N 5/10**  
**7C07K 14/47 7C07K 7/08 7C07K 7/06**  
**7C07K 16/18 7C12P 21/02 7A61K 38/17**  
**7A61K 38/10 7A61K 38/08 7G01N 33/53**  
[25] EN  
[54] **AMYLIN PEPTIDES AND USES**  
**THEREOF**  
[54] **PEPTIDES A BASE D'AMYLIN,**  
**AINSI QUE LEURS USAGES**  
[72] Cooper, Garth James Smith, GB  
[72] Willis, Anthony Charles, GB  
[73] AMYLIN PHARMACEUTICALS,  
INC., US  
[21] **565,079**  
[22] 1988-04-26  
[30] GB (8709871) 1987-04-27

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[11] **1,341,334**  
[13] C

[52] 530-17.00 167-136 530-7.04 530-15.06  
[51] **Int.Cl. 7C07K 17/00 7C07K 7/06**  
**7C07K 7/08 7C07K 14/315 7C07K 14/195**  
**7A61K 39/02 7A61K 39/09**  
[25] EN  
[54] **SYNTHETIC PEPTIDES FROM**  
**STREPTOCOCCAL M PROTEIN AND**  
**VACCINES PREPARED THEREFROM**  
[54] **PEPTIDES SYNTHETIQUES**  
**PROVENANT DE LA PROTEINE M**  
**STREPTOCOCCIQUE, AINSI QUE DES**  
**VACCINS PREPARES A PARTIR DE**  
**CEUX-CI**  
[72] Fischetti, Vincent A., US  
[73] ROCKEFELLER UNIVERSITY (THE),  
US  
[21] **594,655**  
[22] 1989-03-23  
[30] US (173,380) 1988-03-25  
[30] US (315,588) 1989-02-27

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[11] **2,003,373**  
[13] C

[51] **Int.Cl. 5G01B 11/24**  
[25] EN  
[54] **ENVELOPE FLAP PROFILING**  
**APPARATUS**  
[54] **PROFILEUR DE RABAT**  
**D'ENVELOPPE**  
[72] Tolmie, Robert J., Jr., US  
[73] PITNEY BOWES INC., US  
[22] 1989-11-20  
[30] US (291,092) 1988-12-28

---

[11] **2,004,114**  
[13] C

[51] **Int.Cl. 5G01B 7/10 5B07C 9/00**  
[25] EN  
[54] **MAIL THICKNESS MEASURING**  
**APPARATUS**  
[54] **APPAREIL POUR MESURER**  
**L'EPAISSEUR DES PIECES DU**  
**COURRIER**  
[72] Tolmie, Robert James, Jr., US  
[72] Dolan, Donald T., US  
[73] PITNEY BOWES INC., US  
[22] 1989-11-29  
[30] US (291,038) 1988-12-28

---

[11] **2,004,115**  
[13] C

[51] **Int.Cl. 5B07C 9/00**  
[25] EN  
[54] **MAIL HANDLING MACHINE**  
**WITH MIS-SEALED ENVELOPE**  
**DETECTOR**  
[54] **MACHINE DE MANUTENTION DU**  
**COURRIER, AVEC DETECTEUR**  
**D'ENVELOPPES MAL CACHETES**  
[72] O'Dea, Kevin J., US  
[72] McDermott, Francis E., US  
[73] PITNEY BOWES INC., US  
[22] 1989-11-29  
[30] US (291,099) 1988-12-28

---

[11] **2,009,250**  
[13] C

[51] **Int.Cl. 5B60F 1/04**  
[25] EN  
[54] **VEHICLE FOR ROAD AND RAIL**  
**OPERATION**  
[54] **VEHICULE POUR CIRCULATION**  
**ROUTIERE ET FERROVIAIRE**  
[72] MASSE, Kenneth J., CA  
[73] MASSE, Kenneth J., CA  
[22] 1990-02-02

---

[11] **2,010,784**  
[13] C

[51] **Int.Cl. 5B65G 60/00**  
[25] EN  
[54] **SHINGLE STACKING MACHINE**  
[54] **MACHINE POUR EMPILER LES**  
**BARDEAUX**  
[72] Benson, Bruce V., US  
[72] Siddigi, Ashraf A., US  
[73] Reichel & Drews, Inc., US  
[22] 1990-02-23  
[30] US (349,512) 1989-05-09

---

[11] **2,010,909**  
[13] C

[51] **Int.Cl. 5D06L 3/12 5C11D 7/60**  
[25] EN  
[54] **STORAGE-STABLE WHITENER**  
**FORMULATION**  
[54] **AGENT BLANCHISSANT A**  
**LONGUE DUREE DE STOCKAGE**  
[72] Fringeli, Werner, CH  
[72] Zelger, Josef, CH  
[73] CIBA SPECIALTY CHEMICALS  
HOLDING INC., CH  
[22] 1990-02-26  
[30] CH (733/89-1) 1989-02-28

Canadian Patents Issued  
January 22, 2002

---

[11] **2,011,376**  
[13] C  
[51] **Int.Cl. 5E04H 12/22**  
[25] EN  
[54] **SWIVEL BRACKET ASSEMBLY**  
[54] **SUPPORT PIVOTANT**  
[72] Leone, Nicola, CA  
[73] Leone, Nicola, CA  
[22] 1990-03-02

---

[11] **2,015,714**  
[13] C  
[51] **Int.Cl. 5D06L 3/12**  
[25] EN  
[54] **STABLE AQUEOUS**  
**FORMULATIONS OF FLUORESCENT**  
**WHITENING AGENTS**  
[54] **SOLUTIONS AQUEUSES STABLES**  
**COMPOSEES D'AGENTS DE**  
**BLANCHIMENT FLUORESCENTS**  
[72] Kuhl, Eickhard, DE  
[73] CIBA SPECIALTY CHEMICALS  
HOLDING INC., CH  
[22] 1990-04-30  
[30] CH (1664/89-2) 1989-05-02

---

[11] **2,018,775**  
[13] C  
[51] **Int.Cl. 5F16B 11/00**  
[25] EN  
[54] **ADHESIVE MOUNTED NUTPLATE**  
**ASSEMBLY**  
[54] **ECROU D'ANCRAGE A ENDUIT**  
**ADHESIF**  
[72] Hutter, Charles G., III, US  
[72] Carter, Alexander B., III, US  
[73] Physical Systems, Inc., US  
[22] 1990-06-12  
[30] US (364,105) 1989-06-12

---

[11] **2,019,974**  
[13] C  
[51] **Int.Cl. 6A61K 38/57**  
[25] EN  
[54] **TREATMENT OF**  
**INFLAMMATION**  
[54] **APPAREIL DE PREPARATION DE**  
**MELANGES STABILISATEURS**  
[72] Wachter, Allan, US  
[72] Lezdey, John, US  
[73] Wachter, Allan, US  
[73] Lezdey, John, US  
[22] 1990-06-27  
[30] US (445,005) 1989-12-04

---

[11] **2,022,506**  
[13] C  
[51] **Int.Cl. 5C08K 5/00 5C08J 7/00 5C08L**  
**23/02**  
[25] EN  
[54] **A PROCESS FOR PREPARING**  
**NON-EXTRUDED STABILIZED**  
**OLEFIN POLYMERS**  
[54] **PROCEDE DE STABILISATION**  
**DES POLYOLEFINES ET PRODUITS**  
**AINSI OBTENUS**  
[72] Caselli, Giancarlo, IT  
[72] Gorini, Giuseppe, IT  
[73] MONTELL NORTH AMERICA INC.,  
US  
[22] 1990-08-01  
[30] IT (21423 A/89) 1989-08-02

---

[11] **2,024,956**  
[13] C  
[51] **Int.Cl. 5C07D 261/08 5C07C 317/24**  
**5C07C 205/45 5A01N 43/80 5C07C 49/84**  
[25] EN  
[54] **ISOXAZOLES HERBICIDES**  
[54] **HERBICIDES DE TYPE**  
**ISOXAZOLE**  
[72] Roberts, David A., GB  
[72] Wallis, Derek I., GB  
[72] Cramp, Susan M., GB  
[72] Bulot, Jean-Paul, FR  
[73] RHONE-POULENC AGRICULTURE  
LIMITED, GB  
[22] 1990-09-10  
[30] GB (89 20519.9) 1989-09-11

---

[11] **2,025,330**  
[13] C  
[51] **Int.Cl. 5G01N 21/25 5A61B 5/14**  
**5G01N 33/49**  
[25] EN  
[54] **CHARACTERIZING BIOLOGICAL**  
**MATTER IN A DYNAMIC CONDITION**  
**USING NEAR INFRARED**  
**SPECTROSCOPY**  
[54] **CARACTERISATION DES**  
**MATIERES BIOLOGIQUE DANS UN**  
**ETAT DYNAMIQUE A L'AIDE DE LA**  
**SPECTROSCOPIE DANS LE PREQUE**  
**INFRAROUGE**  
[72] Osten, David W., US  
[72] Callis, James B., US  
[72] Carim, Hatim M., US  
[73] THE BOARD OF REGENTS OF THE  
UNIVERSITY OF WASHINGTON, US  
[73] MINNESOTA MINING AND  
MANUFACTURING COMPANY, US  
[22] 1990-09-13  
[30] US (07/408,890) 1989-09-18

---

[11] **2,027,876**  
[13] C  
[51] **Int.Cl. 5A61K 31/40**  
[25] EN  
[54] **USE OF SUBSTITUTED**  
**IMIDAZOLES**  
[54] **EMPLOI DES IMIDAZOLES**  
**SUBSTITUES**  
[72] Kalso, Eija, FI  
[72] Lammintausta, Risto, FI  
[73] Orion-Yhtymä OY, a Finnish Body  
Corporate, FI  
[22] 1990-10-17  
[30] FI (894911) 1989-10-17

---

[11] **2,028,909**  
[13] C  
[51] **Int.Cl. 5C07D 211/44**  
[25] EN  
[54] **PREPARATION OF**  
**INTERMEDIATES AND THE**  
**SYNTHESIS OF N-(2-HYDROXY-**  
**ETHYL)-2-HYDROXYMETHYL-3,4,5-**  
**TRIHYDROXYPIPERIDINES**  
[54] **PREPARATION**  
**D'INTERMEDIAIRES ET SYNTHESE**  
**DE N-(2-HYDROXY-ETHYL)-2-**  
**HYDROXYMETHYL-3,4,5-**  
**TRIHYDROXYPIPERIDINES**  
[72] Hinsken, Werner, DE  
[73] BAYER AKTIENGESELLSCHAFT,  
DE  
[22] 1990-10-30  
[30] DE (P 39 36 295.7) 1989-11-01

---

[11] **2,028,983**  
[13] C  
[51] **Int.Cl. 5B65D 81/36 5B24D 15/00**  
[25] EN  
[54] **SANDPAPER OR EMERY PAPER**  
**SUPPLY AND CUTTING CONTAINER**  
[54] **DISTRIBUTEUR DE PAPIER**  
**EMERI OU DE VERRE A ORGANE DE**  
**COUPE**  
[72] Melbye, Roger H., US  
[73] Melbye, Roger H., US  
[22] 1990-10-31  
[30] US (07/430,492) 1989-11-01

**Brevets canadiens délivrés  
22 janvier 2002**

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[11] **2,029,235**  
[13] C

[51] **Int.Cl. 5B63C 9/20 5F21V 33/00**  
[25] EN  
[54] **WATER-ACTIVATED SURVIVAL LAMP UNIT AND AN IMPROVED WATER SENSING SWITCH THEREFOR**  
[54] **LAMPE DE SURVIE ACTIONNEE PAR L'EAU ET COMMUTATEUR DE DETECTION D'EAU AMELIORE ADAPTEE A CETTE LAMPE**  
[72] BRAIN, John Errington, CA  
[73] BRAIN, John Errington, CA  
[22] 1990-11-02

---

[11] **2,029,987**  
[13] C

[51] **Int.Cl. 5C03C 4/02 5C03C 4/08 5B32B 17/10**  
[25] EN  
[54] **INFRARED AND ULTRAVIOLET RADIATION ABSORBING GREEN GLASS COMPOSITION**  
[54] **COMPOSITION DE VERRE A BOUTEILLE ABSORBANT LES RAYONS INFRAROUGES ET ULTRAVIOLETS**  
[72] Cheng, J. Joseph, US  
[73] Libbey-Owens-Ford Co., US  
[22] 1990-11-14  
[30] US (438,538) 1989-11-16  
[30] US (542,207) 1990-06-21  
[30] US (575,127) 1990-08-30

---

[11] **2,030,706**  
[13] C

[51] **Int.Cl. 5A01N 25/04**  
[25] EN  
[54] **GEL INSECTICIDE COMPOSITIONS**  
[54] **COMPOSITIONS INSECTICIDES A BASE DE GEL**  
[72] Bruey, Francis J., US  
[73] The Clorox Company, US  
[22] 1990-11-27  
[30] US (07/441,594) 1989-11-27

---

[11] **2,031,327**  
[13] C

[51] **Int.Cl. 5B04C 5/08**  
[25] EN  
[54] **DEVICE FOR SEPARATING LIQUIDS AND/OR SOLIDS FROM A GAS STREAM**  
[54] **APPAREIL EFFECTUANT LA SEPARATION DE MATIERES LIQUIDES ET SOLIDES CONTENUES DANS UN FLUX GAZEUX**  
[72] Oranje, Leendert, NL  
[73] N.V. NEDERLANDSE GASUNIE, NL  
[22] 1990-11-30  
[30] NL (8902978) 1989-12-02

---

[11] **2,031,808**  
[13] C

[51] **Int.Cl. 5C08J 9/24 5B29C 55/02 5B29C 47/06 5B01D 71/36**  
[25] EN  
[54] **PROCESS FOR PRODUCING MULTILAYER POLYTETRAFLUOROETHYLENE POROUS MEMBRANE AND SEMISINTERED POLYTETRAFLUOROETHYLENE MULTILAYER STRUCTURE**  
[54] **PROCEDE DE PRODUCTION D'UNE MEMBRANE POREUSE DE POLYTETRAFLUOROETHYLENE MULTICOUCHE ET STRUCTURE MULTICOUCHE DE POLYTETRAFLUOROETHYLENE SEMIFRITTE**  
[72] Tamaru, Shinji, JP  
[72] Yamamoto, Katsutoshi, JP  
[72] Tanaka, Osamu, JP  
[72] Nishibayashi, Hirofumi, JP  
[72] Inoue, Osamu, JP  
[73] DAIKIN INDUSTRIES LTD., JP  
[22] 1990-12-07  
[30] JP (1-320274) 1989-12-07  
[30] JP (2-57759) 1990-03-08

---

[11] **2,032,077**  
[13] C

[51] **Int.Cl. 5B60P 1/00 5B60P 3/07**  
[25] EN  
[54] **VEHICLE WITH MULTI-POSITIONABLE FLAT BED**  
[54] **VEHICULE MUNI D'UNE PLATE-FORME A POSITION VARIABLE**  
[72] Pijanowski, Joseph Albert, US  
[73] Pijanowski, Joseph Albert, US  
[22] 1990-12-12

---

[11] **2,032,225**  
[13] C

[51] **Int.Cl. 5H05B 3/86 5B60J 1/00**  
[25] FR  
[54] **VITRAGE CHAUFFANT ELECTRICALLY HEATED GLASS**  
[72] De Paoli, Martial, FR  
[73] SAINT-GOBAIN VITRAGE INTERNATIONAL, FR  
[22] 1990-12-13  
[30] FR (89 16965) 1989-12-21

---

[11] **2,032,273**  
[13] C

[51] **Int.Cl. 7C07C 21/18 7C07C 17/08 7C07C 17/10 7C07C 19/10 7C07C 17/20**  
[25] EN  
[54] **MULTISTEP SYNTHESIS OF HEXAFLUOROPROPYLENE**  
[54] **SYNTHESE DE L'HEXAFLUOROPROPYLENE EN PLUSIEURS ETAPES**  
[72] Webster, James Lang, US  
[72] McCann, Elrey Lorne, US  
[72] Bruhnke, Douglas William, US  
[72] Lerou, Jan Joseph, US  
[72] Manogue, William Henry, US  
[72] Manzer, Leo Ernest, US  
[72] Swearingen, Steven Henry, US  
[72] Trofimenko, Swiatoslaw, US  
[72] Bonifaz, Cristobal, US  
[73] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[22] 1990-12-14  
[30] US (07/452,402) 1989-12-19

Canadian Patents Issued  
January 22, 2002

[11] 2,033,358  
[13] C

[51] Int.Cl. 5E21B 43/26 5E21B 47/06  
[25] FR  
[54] METHODE ET DISPOSITIF POUR  
STIMULER UNE ZONE SOUTERRAINE  
PAR INJECTION DIFFEREE DE  
FLUIDE PROVENANT D'UNE ZONE  
VOISINE, LE LONG DE FRACTURES  
FAITES DEPUIS UN DRAIN FORE  
DANS UNE COUCHE INTERMEDIAIRE  
PEU PERMEABLE  
[54] METHOD AND DEVICE FOR  
STIMULATING AN UNDERGROUND  
ZONE BY DEFERRED INJECTION OF  
FLUID COMING FROM A  
SURROUNDING ZONE ALONG  
FRACTURES MADE FROM A DRAIN  
BORED IN A INTERMEDIATE  
LAYER OF LOW PERMEABILITY  
[72] Gadelle, Claude, FR  
[72] Lessi, Jacques, FR  
[72] Renard, Gérard, FR  
[73] INSTITUT FRANCAIS DU PETROLE,  
FR  
[22] 1990-12-28  
[30] FR (89/17482) 1989-12-29

[11] 2,035,546  
[13] C

[51] Int.Cl. 5B62B 3/06  
[25] EN  
[54] HAND LIFT TRUCK FOR  
TRANSPORTING STACKING CHAIRS  
[54] CHARIOT DE MANUTENTION  
POUR LE TRANSPORT DE CHAISES  
EMPILEES  
[72] Mueller, Ernie, US  
[73] Mueller, Ernie, US  
[22] 1991-02-01

[11] 2,036,020  
[13] C

[51] Int.Cl. 5A61M 15/00  
[25] EN  
[54] INHALATION DEVICE  
[54] INHALATEUR  
[72] Pesenti, Yvan, FR  
[72] Quenderff, Jean-Philippe, FR  
[73] Quenderff, Solange, FR  
[73] Pesenti, Yvan, FR  
[73] Quenderff, Jean-Philippe, FR  
[22] 1991-02-08  
[30] FR (9001928) 1990-02-09

[11] 2,036,577  
[13] C

[51] Int.Cl. 5G03B 3/10  
[25] EN  
[54] AUTO-FOCUS SYSTEM FOR  
VIDEO CAMERA  
[54] DISPOSITIF  
D'AUTOFOCALISATION POUR  
CAMERA VIDEO  
[72] Hirota, Katsuaki, JP  
[72] Kikuchi, Akihiro, JP  
[72] Kondo, Toshiharu, JP  
[72] Kohashi, Takashi, JP  
[72] Kato, Fumiaki, JP  
[73] SONY CORPORATION, JP  
[22] 1991-02-19  
[30] JP (040814/90) 1990-02-21

[11] 2,036,906  
[13] C

[51] Int.Cl. 5A61K 47/44 5A61K 9/24  
5A61K 9/56  
[25] EN  
[54] COATINGS FOR STABLE  
SUSTAINED RELEASE  
PREPARATIONS  
[54] ENROBAGES POUR  
PREPARATIONS A LIBERATION  
PROLONGEE  
[72] Akiyama, Yohko, JP  
[72] Nagahara, Naoki, JP  
[72] Yoshioka, Minoru, JP  
[73] TAKEDA CHEMICAL INDUSTRIES,  
LTD., JP  
[22] 1991-02-22  
[30] JP (042825-1990) 1990-02-23

[11] 2,037,802  
[13] C

[51] Int.Cl. 5C08G 69/32  
[25] EN  
[54] PREPARATION OF POLYAMIDES  
FROM UNSTABLE DIAMINES  
[54] PREPARATION DE POLYAMIDES  
A PARTIR DE DIAMINES INSTABLES  
[72] Irwin, Robert S., US  
[73] E.I. DU PONT DE NEMOURS AND  
COMPANY, US  
[22] 1991-03-08  
[30] US (07/505,342) 1990-04-05

[11] 2,037,838  
[13] C

[51] Int.Cl. 5C07D 239/46 5A01N 47/36  
[25] EN  
[54] HERBICIDAL SULFONYLUREAS,  
THE PREPARATION THEREOF AND  
INTERMEDIATES THEREFOR  
[54] SULFONYLUREES HERBICIDES,  
LEUR PREPARATION ET LEURS  
INTERMEDIAIRES  
[72] Hamprecht, Gerhard, DE  
[72] Mayer, Horst, DE  
[72] Westphalen, Karl-Otto, DE  
[72] Wuerzer, Bruno, DE  
[72] Gerber, Matthias, DE  
[72] Grossmann, Klaus, DE  
[72] Rademacher, Wilhelm, DE  
[73] BASF AKTIENGESELLSCHAFT, DE  
[22] 1991-03-08  
[30] DE (P 40 07 683.0) 1990-03-10

[11] 2,038,398  
[13] C

[51] Int.Cl. 5C12N 15/62 6C07K 19/00  
5C12P 21/02 5C12N 15/18 5C12N 1/21  
6C07K 16/22 6C07K 14/475 5G01N 33/53  
[25] EN  
[54] DNA ENCODING A GROWTH  
FACTOR SPECIFIC FOR EPITHELIAL  
CELLS  
[54] ADN ENCODANT UN FACTEUR DE  
CROISSANCE SPECIFIQUE POUR LES  
CELLULES EPITHELIALES  
[72] RUBIN, JEFFREY S., US  
[72] FINCH, PAUL W., US  
[72] AARONSON, STUART A., US  
[73] RUBIN, JEFFREY S., US  
[73] FINCH, PAUL W., US  
[73] AARONSON, STUART A., US  
[22] 1991-03-15

[11] 2,038,520  
[13] C

[51] Int.Cl. 6F28D 7/02 6F24H 9/12  
[25] EN  
[54] HEAT EXCHANGER WITH FLUID  
INJECTORS  
[54] ECHANGEUR DE CHALEUR  
COMPORTANT DES INJECTEURS DE  
FLUIDE  
[72] Cloutier, Louis, CA  
[73] Cloutier, Louis, CA  
[22] 1991-03-18

**Brevets canadiens délivrés  
22 janvier 2002**

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[11] **2,038,848**  
[13] C

[51] **Int.Cl. 6C07K 5/04 6A61K 38/04 5A61K 31/415 5C07D 233/76**  
[25] EN  
[54] **HYDANTOIN DERIVATIVES**  
[54] **DERIVES DE L'HYDANTOINE**  
[72] Just, Melitta, DE  
[72] Jablonka, Bernd, DE  
[72] König, Wolfgang, DE  
[73] Casella Aktiengesellschaft, DE  
[22] 1991-03-22  
[30] DE (P 40 09 506.1) 1990-03-24

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[11] **2,039,123**  
[13] C

[51] **Int.Cl. 5H04N 7/16**  
[25] EN  
[54] **VIDEO CONTROL SYSTEM**  
[54] **DISPOSITIF DE COMMANDE VIDEO**  
[72] Walker, Stephen S., US  
[72] Sidlo, Clarence M., US  
[72] Teare, Melvin J., US  
[73] GTE LABORATORIES INCORPORATED, US  
[22] 1991-03-26  
[30] US (07/501,620) 1990-03-29  
[30] US (07/501,682) 1990-03-29  
[30] US (07/501,683) 1990-03-29  
[30] US (07/501,684) 1990-03-29  
[30] US (07/501,685) 1990-03-29  
[30] US (07/501,688) 1990-03-29

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[11] **2,039,357**  
[13] C

[51] **Int.Cl. 5A61F 13/00 5B65D 81/26**  
[25] EN  
[54] **HIGHLY HYGROSCOPIC LAMINATE**  
[54] **STRATIFIE FORTEMENT HYGROSCOPIQUE**  
[72] Takuno, Masami, JP  
[73] SHOWA DENKO K.K., JP  
[22] 1991-03-28  
[30] JP (02-81613) 1990-03-29

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[11] **2,041,244**  
[13] C

[51] **Int.Cl. 5B63H 3/00**  
[25] EN  
[54] **PROPELLER COMBINATION WITH NON-CUPPED BLADES FOR A BOAT PROPELLER UNIT**  
[54] **HELICES JUMELEES, AVEC PALES SANS CUVETTE, POUR ENSEMBLE PROPULSEUR DE NAVIRE**  
[72] Brandt, Lennart H., SE  
[73] AB VOLVO PENTA, SE  
[22] 1991-04-25  
[30] US (07/524,788) 1990-05-17

---

[11] **2,041,291**  
[13] C

[51] **Int.Cl. 5F17C 1/08 5F17C 1/00**  
[25] FR  
[54] **PROCEDE DE FABRICATION D'UNE STRUCTURE CREUSE UTILISABLE NOTAMMENT POUR LE STOCKAGE DE FLUIDES SOUS PRESSION ET STRUCTURE RESULTANTE**  
[54] **MENUFACTURING PROCESS OF A HOLLOW STRUCTURE USED FOR PRESSURE FLUID STORAGE AND STRUCTURE THUS OBTAINED**  
[72] Huvey, Michel, FR  
[72] Le Page, Jean-François, FR  
[73] INSTITUT FRANCAIS DU PETROLE, FR  
[22] 1991-04-26  
[30] FR (90/05.507) 1990-04-26

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[11] **2,043,066**  
[13] C

[51] **Int.Cl. 5E04H 6/12**  
[25] EN  
[54] **AUTOMATIC STORAGE AND RETRIEVAL APPARATUS**  
[54] **DISPOSITIF DE STOCKAGE ET DE RECUPERATION AUTOMATISE**  
[72] Sternad, William Arthur, US  
[73] Sternad, William Arthur, US  
[22] 1991-05-23

---

[11] **2,043,709**  
[13] C

[51] **Int.Cl. 5C07D 403/14 5A61K 31/505**  
[25] EN  
[54] **ANTIMIGRAINE ALKOXYPYRIMIDINE DERIVATIVES**  
[54] **DERIVES POUR COMBATTRE LA MIGRAINE D'ALCOXYPRIMIDINE**  
[72] Smith, David W., US  
[72] Yocca, Frank D., US  
[72] Yevich, Joseph P., US  
[72] Mattson, Ronald J., US  
[73] BRISTOL-MYERS SQUIBB COMPANY, US  
[22] 1991-05-31  
[30] US (546,122) 1990-06-29  
[30] US (680,208) 1991-04-04

---

[11] **2,043,920**  
[13] C

[51] **Int.Cl. 5C08F 2/06 5C08F 210/02 5C08F 220/02**  
[25] EN  
[54] **METHANOL COPOLYMERIZATION OF ETHYLENE**  
[54] **COPOLYMERISATION DE L'ETHYLENE AVEC LE METHANOL**  
[72] Hatch, Paul Bryan, US  
[72] Marshall, Donald Raymond, US  
[73] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[22] 1991-06-05  
[30] US (07/533,826) 1990-06-06

---

[11] **2,044,499**  
[13] C

[51] **Int.Cl. 5C07C 67/327 5C07C 69/14**  
[25] EN  
[54] **METHOD FOR THE PREPARATION OF 4-ACETOXYSTYRENE**  
[54] **METHODE DE PREPARATION DE 4-ACETOXYSTYRENE**  
[72] Aslam, Mohammad, US  
[72] Hilton, Charles B., US  
[73] TRIQUEST, L.P., US  
[22] 1991-06-13  
[30] US (548,170) 1990-07-03



Canadian Patents Issued  
January 22, 2002

---

[11] **2,044,838**  
[13] C  
[51] **Int.Cl. 5C21C 5/52 5F27B 3/10 5F27B 3/22**  
[25] FR  
[54] **PROCEDE ET INSTALLATION DE FUSION D'UNE CHARGE EN FOUR**  
[54] **PROCESS AND SYSTEM FOR MELTING A CHARGE IN A FURNACE**  
[72] Jouvaud, Dominique, FR  
[72] Perrin, Nicolas, FR  
[73] Air Liquide, société anonyme pour l'Étude et l'Exploitation des procedes Georges Claude, FR  
[22] 1991-06-18  
[30] FR (90.07698) 1990-06-20

---

[11] **2,045,597**  
[13] C  
[51] **Int.Cl. 5A23K 1/16 5A23K 1/18 5A23K 1/22**  
[25] EN  
[54] **METHOD FOR PREVENTING DIET-INDUCED CARNITINE DEFICIENCY IN DOMESTICATED DOGS AND CATS**  
[54] **METHODE DE PREVENTION D'UNE CARENCE EN CARNITINE LIEE A L'ALIMENTATION CHEZ LES CHATS ET LES CHIENS DOMESTIQUES**  
[72] Shug, Austin L., US  
[72] Keene, Bruce W., US  
[73] Shug, Austin L., US  
[73] Keene, Bruce W., US  
[85] 1991-07-19  
[86] 1990-11-27 (PCT/US1990/006976)  
[87] (WO1991/007880)  
[30] US (441,110) 1989-11-27

---

[11] **2,046,094**  
[13] C  
[51] **Int.Cl. 5A63B 67/10**  
[25] EN  
[54] **BI-MODAL LINE ATTACHMENT FOR TETHERBALL GAME**  
[54] **FIXATION BIMODALE DE LA CORDE D'UN JEU DE BALLON CAPTIF**  
[72] Norman, Neville M., GB  
[73] EUROPEAN SPORTS MERCHANDISING BV, NL  
[22] 1991-07-02  
[30] GB (9014677.0) 1990-07-02

---

[11] **2,047,084**  
[13] C  
[51] **Int.Cl. 5F21V 21/00**  
[25] EN  
[54] **ULTRAVIOLET LAMP RACK ASSEMBLY**  
[54] **SUPPORT POUR EMETTEURS A RAYONNEMENT ULTRAVIOLET**  
[72] Ifill, Lee, US  
[72] Walker, Robert, US  
[72] Wolfe, Steven, US  
[72] Schena, Fiore, US  
[73] TROJAN TECHNOLOGIES INC., CA  
[22] 1991-07-15  
[30] US (600,597) 1990-10-19

---

[11] **2,047,275**  
[13] C  
[51] **Int.Cl. 5F01D 9/02 5B23P 15/02**  
[25] EN  
[54] **FULLY FLOATING INLET FLOW GUIDE FOR DOUBLE-FLOW LOW PRESSURE STEAM TURBINES**  
[54] **GUIDE MOBILE DE FLUX D'ENTREE POUR TURBINES A VAPEUR BASSE PRESSION A DOUBLE FLUX**  
[72] Groenendaal, John Combe, Jr., US  
[72] Rudy, Randy Thomas, US  
[73] WESTINGHOUSE ELECTRIC CORPORATION, US  
[22] 1991-07-17  
[30] US (553,517) 1990-07-18

---

[11] **2,047,507**  
[13] C  
[51] **Int.Cl. 5G02B 3/02 5G02C 7/04**  
[25] EN  
[54] **LENS DESIGN METHOD AND RESULTING ASPHERIC LENS**  
[54] **METHODE DE CONCEPTION DE LENTILLES ET LENTILLE ASPHERIQUE CONNEXE**  
[72] Roffman, Jeffrey H., US  
[73] JOHNSON & JOHNSON VISION PRODUCTS, INC., US  
[22] 1991-07-22  
[30] US (557,261) 1990-07-24

---

[11] **2,048,030**  
[13] C  
[51] **Int.Cl. 5F16B 47/00**  
[25] EN  
[54] **SUCTION CUP FOR USE IN WINDOWS**  
[54] **VENTOUSE POUR VITRAGES**  
[72] Adams, William E., US  
[72] Peoples, Marc A., US  
[73] Adams Mfg. Corp., US  
[22] 1991-07-29

---

[11] **2,048,203**  
[13] C  
[51] **Int.Cl. 5H01S 3/19 5H01S 3/25**  
[25] EN  
[54] **OPTICAL AMPLIFIER**  
[54] **AMPLIFICATEUR OPTIQUE**  
[72] Thijs, Petrus Johannes Adrianus, NL  
[72] Tiemeijer, Lukas Frederik, NL  
[73] JDS UNIPHASE CORPORATION, US  
[22] 1991-07-31  
[30] NL (9001761) 1990-08-03

---

[11] **2,048,320**  
[13] C  
[51] **Int.Cl. 5C09D 17/00**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF PIGMENT PASTE RESINS FOR CATHODICALLY DEPOSITABLE COATING COMPOSITIONS**  
[54] **PROCEDE DE PREPARATION DE RESINES EN PATE, PIGMENTEES, POUR COMPOSITIONS DE REVETEMENT APPLICABLES PAR DEPOSITION CATHODIQUE**  
[72] Honig, Helmut, AT  
[72] Pampouchidis, Georg, AT  
[72] Paar, Willibald, AT  
[72] Matzer, Herbert, AT  
[72] Valtronic, Manfred, AT  
[73] SOLUTIA AUSTRIA GMBH, AT  
[22] 1991-08-01  
[30] AT (A 1630/90) 1990-08-02

**Brevets canadiens délivrés  
22 janvier 2002**

---

[11] **2,049,882**  
[13] C

[51] **Int.Cl. 5C07J 73/00 5C07J 75/00  
5C07D 233/04 5C07D 223/10 5C07C 231/  
12 5C07D 223/16**  
[25] EN  
[54] **PROCESS FOR IODINATING OR  
BROMINATING THE ALPHA-  
METHYLENIC CARBON OF A  
SECONDARY AMIDE**  
[54] **PROCEDE POUR IODER OU  
BROMER LE CARBONE ALPHA-  
METHYLENIQUE D'UNE AMINE  
SECONDAIRE**  
[72] King, Anthony O., US  
[72] Anderson, Kevin, US  
[72] Karady, Sandor, US  
[72] Abramson, Newton L., US  
[72] Shuman, Richard F., US  
[73] MERCK & CO., INC., US  
[22] 1991-08-26  
[30] US (572,920) 1990-08-27

---

[11] **2,050,304**  
[13] C

[51] **Int.Cl. 5A61K 39/285**  
[25] FR  
[54] **COMPOSITION  
PHARMACEUTIQUE, UTILE A TITRE  
PREVENTIF OU CURATIF CONTRE  
LES TUMEURS INDUITES PAR LES  
PAPILLOMAVIRUS**  
[54] **PHARMACEUTICAL  
COMPOSITION USEFUL IN  
PREVENTING OR TREATING  
TUMORS INDUCED BY  
PAPILLOMARUSES**  
[72] Meneguzzi, Guerrino, FR  
[72] Lathe, Richard, FR  
[72] Kieny, Marie-Paule, FR  
[73] Transgene S.A., FR  
[85] 1991-09-05  
[86] 1990-03-06 (PCT/FR1990/000151)  
[87] (WO1990/010459)  
[30] FR (89.02897) 1989-03-06

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[11] **2,050,915**  
[13] C

[51] **Int.Cl. 5G01L 9/08**  
[25] EN  
[54] **PIEZOELECTRIC DIFFERENTIAL  
PRESSURE VORTEX SENSOR**  
[54] **DEBITMETRE A PRESSION  
DIFFERENTIELLE A DETECTEUR DE  
TOURBILLONS PIEZOELECTRIQUE**  
[72] Kalinoski, Richard W., US  
[72] Chitty, Gordon W., US  
[72] Vignos, James H., US  
[73] The Foxboro Company, US  
[85] 1991-08-21  
[86] 1990-12-19 (PCT/US1990/007485)  
[87] (WO1991/010114)  
[30] US (455,058) 1989-12-22

---

[11] **2,051,460**  
[13] C

[51] **Int.Cl. 5C07D 209/08 5A61K 31/40**  
[25] EN  
[54] **PHARMACEUTICAL  
COMPOUNDS**  
[54] **COMPOSES PHARMACEUTIQUES**  
[72] Gilmore, Jeremy, GB  
[73] Lilly Industries Limited, GB  
[22] 1991-09-16  
[30] GB (9020338.1) 1990-09-18

---

[11] **2,053,099**  
[13] C

[51] **Int.Cl. 5B65D 88/12 5B60P 3/22**  
[25] EN  
[54] **FLUID TRANSPORT APPARATUS  
WITH WATER HAMMER  
ELIMINATOR SYSTEM**  
[54] **DISPOSITIF DE TRANSPORT DE  
FLUIDES MUNI D'UN SYSTEME DE  
SUPPRESSION DU COUP DE BELIER**  
[72] Zink, Donald G., US  
[72] Zink, Donald Lawrence, US  
[72] Schwartz, John E., US  
[73] MONTANA SULPHUR & CHEMICAL  
COMPANY, US  
[22] 1991-10-09  
[30] US (594,150) 1990-10-09

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[11] **2,053,210**  
[13] C

[51] **Int.Cl. 5B65D 88/12 5B60P 3/22**  
[25] EN  
[54] **FLUID APPARATUS WITH AT  
LEAST ONE TUBE WELL**  
[54] **DISPOSITIF A FLUIDES DOTE  
D'AU MOINS UN Puits TUBE**  
[72] Zink, Donald Lawrence, US  
[73] MONTANA SULPHUR & CHEMICAL  
COMPANY, US  
[22] 1991-10-10  
[30] US (595,463) 1990-10-10

---

[11] **2,053,215**  
[13] C

[51] **Int.Cl. 5B65D 88/12 5B60P 3/22**  
[25] EN  
[54] **FLUID APPARATUS WITH  
PRESSURE-TIGHT RECESSED WELL**  
[54] **DISPOSITIF A FLUIDES MUNI  
D'UN Puits ENCASTRE ETANCHE**  
[72] Zink, Donald Lawrence, US  
[72] Zink, Donald G., US  
[73] MONTANA SULPHUR & CHEMICAL  
COMPANY, US  
[22] 1991-10-10  
[30] US (595,464) 1990-10-10

---

[11] **2,055,339**  
[13] C

[51] **Int.Cl. 5A61K 9/58**  
[25] EN  
[54] **BIOCOMPATIBLE GRADIENT  
CONTROLLED RELEASE IMPLANT**  
[54] **IMPLANT BIOCOMPATIBLE A  
LIBERATION CONTROLEE EN  
FONCTION D'UN GRADIENT**  
[72] MCMULLEN, Jean Norbert, CA  
[73] MCMULLEN, Jean Norbert, CA  
[22] 1991-11-12  
[30] CA (2 040 761-1) 1991-04-18

---

Canadian Patents Issued  
January 22, 2002

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[11] **2,055,676**  
[13] C  
[51] **Int.Cl. 5C07C 1/30 5C07C 9/00**  
[25] EN  
[54] **HYDROCONVERSION OF A WASTE FEEDSTOCK COMPRISING HIGHLY REACTIVE ORGANIC COMPOUNDS**  
[54] **HYDROCONVERSION D'UNE CHARGE D'ALIMENTATION RESIDUAIRE CONTENANT DES COMPOSES ORGANIQUES FORTEMENT REACTIFS**  
[72] James, Robert B., Jr., US  
[72] Kalnes, Tom N., US  
[73] UOP, US  
[22] 1991-11-15

---

[11] **2,055,863**  
[13] C  
[51] **Int.Cl. 5A61B 17/04 5A61B 17/06**  
[25] EN  
[54] **BREATHER POUCH FOR SURGICAL SUTURE PACKAGE**  
[54] **SAC POUR EMBALLAGE DE SUTURES CHIRURGICALES**  
[72] Brown, David L., US  
[72] Malinowski, Stanley J., US  
[73] UNITED STATES SURGICAL CORPORATION, US  
[22] 1991-11-19  
[30] US (07/637,488) 1991-01-04

---

[11] **2,055,952**  
[13] C  
[51] **Int.Cl. 5G06F 15/42 5G06F 15/40**  
[25] EN  
[54] **SYSTEM AND PROCESS FOR INFORMATION MANAGEMENT AND REPORTING**  
[54] **SYSTEME ET METHODE DE GESTION ET DE COMMUNICATION D'INFORMATIONS**  
[72] Thibado, Michael J., US  
[72] Morrison, Dennis P., US  
[72] Nichols, Dean R., US  
[73] NCS PEARSON, INC., US  
[22] 1991-11-21  
[30] US (777,650) 1991-10-15

---

[11] **2,057,711**  
[13] C  
[51] **Int.Cl. 5C12P 21/04 6A61K 38/12 5C12N 1/14 6C07K 7/56**  
[25] EN  
[54] **ANTIBIOTIC AGENT**  
[54] **AGENT ANTIBIOTIQUE**  
[72] Schwartz, Robert E., US  
[72] Masurekar, Prakash S., US  
[72] Liesch, Jerrold M., US  
[72] Hallada, Thomas C., US  
[72] Sesin, David F., US  
[72] Hensens, Otto D., US  
[73] MERCK & CO., INC., US  
[22] 1991-12-16  
[30] US (630,457) 1990-12-19

---

[11] **2,060,985**  
[13] C  
[51] **Int.Cl. 5B60T 13/66**  
[25] FR  
[54] **SYSTEME DE FREINAGE POUR VEHICULE A ROUES**  
[54] **BRAKING SYSTEM FOR WHEELED VEHICLES**  
[72] Chaireire, Jean-Louis, FR  
[73] Société Anonyme dite : Aérospatiale Société Nationale Industrielle, FR  
[22] 1992-02-11  
[30] FR (91 01582) 1991-02-12

---

[11] **2,061,577**  
[13] C  
[51] **Int.Cl. 5C07D 205/08**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF CHIRAL 4-ARYLOXYAZETIDINONES**  
[54] **PROCEDE POUR LA PREPARATION DE DERIVES CHIRAUX DE 4-ARYLOXYAZETIDINONES**  
[72] Ashwood, Michael S., GB  
[72] Bishop, Brian C., GB  
[72] Houghton, Peter G., GB  
[72] Humphrey, Guy R., US  
[73] Merck Sharp & Dohme Limited, GB  
[22] 1992-02-20  
[30] GB (9103654.1) 1991-02-21

---

[11] **2,062,291**  
[13] C  
[51] **Int.Cl. 5B65B 25/08 5B65B 9/10 5B65B 9/12**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PRODUCING A WRAPPED FOOD MATERIAL IN SINGLE SLICE FORM**  
[54] **APPAREIL DE FABRICATION DE PRODUITS ALIMENTAIRES PREEMBALLES SOUS FORME DE TRANCHES INDIVIDUELLES ET METHODE CONNEXE**  
[72] Laplace, Christian, CA  
[73] Kraft Canada Inc., CA  
[22] 1992-03-04  
[30] US (667,838) 1991-03-12

---

[11] **2,064,872**  
[13] C  
[51] **Int.Cl. 5C07C 69/96 5C07C 269/04 5C07C 271/22 5C07D 239/28 5C07D 207/34 5C07D 263/34 5C07D 333/38 5C07D 277/56 5C07D 307/68 5C07D 213/79 5C07D 499/86 5C07D 233/90**  
[25] EN  
[54] **ARYLOXYMETHYLCARBONOCHLORIDATE ESTER INTERMEDIATES, THEIR PRODUCTION AND USE IN SYNTHESIZING PRODRUGS AND THEIR USE THEREFOR**  
[54] **INTERMEDIAIRES, LEUR PRODUCTION ET LEUR UTILISATION**  
[72] Lund, Frantz J., DK  
[73] Leo Pharmaceutical Products Ltd. A/S (Lovens Kemiske Fabrik Produktionsaktieselskab), DK  
[85] 1992-02-21  
[86] 1990-11-28 (PCT/DK1990/000308)  
[87] (WO1991/010639)  
[30] GB (9001405.1) 1990-01-22

---

[11] **2,065,009**  
[13] C  
[51] **Int.Cl. 5F16H 25/20**  
[25] EN  
[54] **REINFORCED ANTI-BACKLASH NUT**  
[54] **ECROU RENFORCE ANTI-BATTEMENT**  
[72] Erikson, Keith W., US  
[72] Erikson, Kenneth W., US  
[73] Kerk Motion Products, Inc., US  
[85] 1992-02-18  
[86] 1991-04-24 (PCT/US1991/002810)  
[87] (WO1991/019917)  
[30] US (539,908) 1990-06-18

**Brevets canadiens délivrés  
22 janvier 2002**

[11] **2,066,550**  
[13] C

[51] **Int.Cl. 5B29D 23/22**  
[25] FR  
[54] **PROCEDE D'ASSEMBLAGE MECANIQUE D'UN TUBE EN MATERIAU COMPOSITE ET D'UNE PIECE METALLIQUE ET ASSEMBLAGE AINSI REALISE**  
[54] **MECHANICAL ASSEMBLY PROCESS OF A COMPOSITE-MATERIAL TUBE AND A METAL COMPONENT AND ASSEMBLY THEREFROM**  
[72] Auberon, Marcel, FR  
[72] Thouraud, Jean-Jacques, FR  
[72] Sparks, Charles, FR  
[72] Odru, Pierre, FR  
[73] **AÉROSPATIALE SOCIÉTÉ NATIONALE INDUSTRIELLE, FR**  
[73] **INSTITUT FRANCAIS DU PETROLE, FR**  
[22] 1992-04-21  
[30] FR (91 05340) 1991-04-22

[11] **2,068,971**  
[13] C

[51] **Int.Cl. 5H04M 3/22**  
[25] EN  
[54] **TELEPHONE CIRCUIT ASSEMBLY WITH HOOK-OFF DETECTOR CIRCUIT**  
[54] **CIRCUIT TELEPHONIQUE A DETECTEUR DE DECROCHAGE DU COMBINE**  
[72] Siligoni, Marco, IT  
[72] Saviotti, Vanni, IT  
[73] **SGS-THOMSON MICROELECTRONICS S.r.l., IT**  
[22] 1992-05-19  
[30] IT (MI 91 A 001748) 1991-06-25

[11] **2,069,381**  
[13] C

[51] **Int.Cl. 5G11B 7/24 5G11B 7/26**  
[25] EN  
[54] **OPTICAL DISC AND METHOD FOR PRODUCING THE OPTICAL DISC**  
[54] **DISQUE OPTIQUE ET METHODE DE FABRICATION DE CE DISQUE**  
[72] Takahashi, Kenji, JP  
[72] Tsurushima, Katsuaki, JP  
[72] Yoshida, Tadao, JP  
[72] Fujie, Kazuhiko, JP  
[72] Fujisawa, Hirotohi, JP  
[72] Mukawa, Hiroshi, JP  
[73] **SONY CORPORATION, JP**  
[22] 1992-05-25  
[30] JP (P154052/91) 1991-05-29  
[30] JP (P214104/91) 1991-07-17

[11] **2,069,646**  
[13] C

[51] **Int.Cl. 5H04Q 3/52 5G02F 1/00 5H04B 10/16 5G02B 6/26 5G02F 1/29 5G02F 1/31 5G02B 6/42**  
[25] EN  
[54] **OPTICAL BYPASS SWITCH**  
[54] **COMMUTATEUR DE DERIVATION POUR FIBRE OPTIQUE**  
[72] Uken, William David, US  
[72] Tomita, Akira, US  
[73] **TYCO ELECTRONICS CORPORATION, US**  
[85] 1992-05-26  
[86] 1990-12-20 (PCT/US1990/007572)  
[87] (WO1991/009335)  
[30] US (455,200) 1989-12-20

[11] **2,070,070**  
[13] C

[51] **Int.Cl. 5G11B 5/716 5G11B 5/706**  
[25] EN  
[54] **MAGNETIC TAPE FOR NONTRACKING DATA REPRODUCING SYSTEM**  
[54] **BANDE MAGNETIQUE POUR SYSTEME DE LECTURE DE DONNEES**  
[72] Sasaki, Toshikazu, JP  
[72] Ebine, Yoshihito, JP  
[72] Ito, Jota, JP  
[72] Arai, Takeo, JP  
[72] Kudo, Hiroshi, JP  
[73] **SONY CORPORATION, JP**  
[22] 1992-05-29  
[30] JP (P155752/91) 1991-05-30  
[30] JP (P155753/91) 1991-05-30  
[30] JP (P155754/91) 1991-05-30

[11] **2,070,357**  
[13] C

[51] **Int.Cl. 5E03C 1/30**  
[25] EN  
[54] **RETRIEVING DEVICE**  
[54] **DISPOSITIF DE RECUPERATION D'OBJETS**  
[72] Piskula, James, US  
[73] Piskula, James, US  
[22] 1992-06-03  
[30] US (07/830,126) 1992-01-31

[11] **2,074,054**  
[13] C

[51] **Int.Cl. 5B01D 19/04 5D21H 21/12**  
[25] EN  
[54] **ANTIFOAMS FOR THE PAPER INDUSTRY BASED ON OIL-IN-WATER EMULSIONS**  
[54] **ANTIMOUSSES A BASE D'EMULSIONS D'HUILE DANS L'EAU POUR LA FABRICATION DU PAPIER**  
[72] Oppenlaender, Knut, DE  
[72] Wegner, Brigitte, DE  
[72] Schuhmacher, Rudolf, DE  
[72] Hohmann, Andreas, DE  
[72] Dralle, Gabriele, DE  
[73] **BASF AKTIENGESELLSCHAFT, DE**  
[22] 1992-07-16  
[30] DE (P 41 27 719.8) 1991-08-22

[11] **2,076,026**  
[13] C

[51] **Int.Cl. 5F15B 15/20 5E21B 23/04 5E21B 7/06**  
[25] FR  
[54] **DISPOSITIF D'ACTIONNEMENT A DISTANCE D'UN EQUIPEMENT COMPORTANT UN SYSTEME DUSE/AIGUILLE ET SON APPLICATION A UNE GARNITURE DE FORAGE**  
[54] **DEVICE FOR REMOTELY OPERATING AN ASSEMBLY COMPRISING A BEAN/NEEDLE SYSTEM, AND USE THEREOF IN A DRILLING STRING**  
[72] Amaudric du Chaffaut, Benoît, FR  
[72] Boulet, Jean, FR  
[73] **INSTITUT FRANCAIS DU PETROLE, FR**  
[85] 1992-08-14  
[86] 1991-12-06 (PCT/FR1991/000976)  
[87] (WO1992/011461)  
[30] FR (90/16257) 1990-12-21

[11] **2,076,904**  
[13] C

[51] **Int.Cl. 5C01B 11/02**  
[25] EN  
[54] **METHOD OF PRODUCING CHLORINE DIOXIDE**  
[54] **METHODE D'OBTENTION DE BIOXYDE DE CHLORE**  
[72] Winters, John R., US  
[72] Gray, John M., US  
[72] Tenney, Joel D., US  
[73] **EKA CHEMICALS INC., US**  
[22] 1992-08-26  
[30] US (895,634) 1992-06-09

Canadian Patents Issued  
January 22, 2002

[11] 2,077,720  
[13] C

[51] Int.Cl. 5H05K 3/12  
[25] EN  
[54] **PROCESS OF FORMING ELECTRICAL CONNECTIONS BETWEEN CONDUCTIVE LAYERS USING THERMOSONIC WIRE BONDED BUMP VIAS AND THICK FILM TECHNIQUES**  
[54] **PROCEDE ADDITIF DE METALLISATION DE TROUS D'INTERCONNEXION RAPPROCHES**  
[72] McCoy, Dirk D., US  
[72] Johansen, Scott W., US  
[73] AG COMMUNICATION SYSTEMS CORPORATION, US  
[22] 1992-09-08  
[30] US (794,097) 1991-11-18

[11] 2,078,570  
[13] C

[51] Int.Cl. 5A47C 7/62  
[25] EN  
[54] **CHAISE LOUNGE WITH ADJUSTABLE CANOPY**  
[54] **CHAISE LONGUE A AUVENT REGLABLE**  
[72] Felling, Gerald J., US  
[73] Felling, Gerald J., US  
[85] 1992-09-17  
[86] 1991-03-13 (PCT/US1991/001693)  
[87] (WO1991/014386)  
[30] US (496,520) 1990-03-20  
[30] US (528,819) 1990-05-24  
[30] US (628,486) 1990-12-14

[11] 2,079,318  
[13] C

[51] Int.Cl. 5H04N 7/12  
[25] EN  
[54] **VIDEO PROCESSING METHOD AND APPARATUS**  
[54] **METHODE ET APPAREIL DE TRAITEMENT DE SIGNAUX VIDEO**  
[72] Dhein, Robert, US  
[72] Glass, Gregory, US  
[72] Cerullo, Albert, US  
[72] Schure, Louis, US  
[73] NEW YORK INSTITUTE OF TECHNOLOGY, US  
[85] 1992-09-28  
[86] 1991-03-29 (PCT/US1991/002228)  
[87] (WO1991/015929)  
[30] US (502,519) 1990-03-30  
[30] US (579,146) 1990-09-07

[11] 2,077,915  
[13] C

[51] Int.Cl. 5A61F 13/48  
[25] EN  
[54] **A SANITARY NAPKIN OR INCONTINENCE GUARD**  
[54] **SERVIETTE HYGIENIQUE ET PROTEGE-DESSOUS POUR INCONTINENTS**  
[72] Kjellberg, Monica, SE  
[73] SCA HYGIENE PRODUCTS AKTIEBOLAG, BE  
[85] 1992-09-09  
[86] 1991-03-26 (PCT/SE1991/000228)  
[87] (WO1991/014415)  
[30] SE (9001092-7) 1990-03-26

[11] 2,078,847  
[13] C

[51] Int.Cl. 5B31B 1/84  
[25] EN  
[54] **AN APPARATUS FOR THE APPLICATION OF PREFERABLY ADHESIVE COATED SLIPS OR PIECES OF TUBE TO A MOVING WEB OR TO WORKPIECES BEING CONVEYED**  
[54] **APPAREIL DESTINE SURTOUT A JOINDRE UNE BANDE OU UN BOUT DE TUBE A UNE FEUILLE EN MOUVEMENT OU A UNE PIECE A TRAILLER TRANSPORTEE**  
[72] Achelpohl, Fritz, DE  
[72] Simon, Helmut, DE  
[73] Windmoller & Holscher, DE  
[22] 1992-11-13  
[30] DE (P 41 37 349.9) 1991-11-13

[11] 2,081,695  
[13] C

[51] Int.Cl. 5F25B 39/02  
[25] EN  
[54] **EVAPORATOR OR EVAPORATOR/CONDENSER**  
[54] **EVAPORATEUR OU EVAPORATEUR/CONDENSEUR**  
[72] Hughes, Gregory G., US  
[72] Guntly, Leon A., US  
[72] Welker, John B., US  
[72] Hill, David T., US  
[72] Henkes, Jerome P., US  
[72] Reinke, Michael J., US  
[72] Rogers, C. James, US  
[73] Modine Manufacturing Company, US  
[22] 1992-10-29  
[30] US (850,338) 1992-03-11

[11] 2,078,285  
[13] C

[51] Int.Cl. 5C10L 5/48 5F23G 5/20 5C04B 7/24  
[25] EN  
[54] **METHOD OF PREPARING WASTE MATERIAL FOR DISPOSAL**  
[54] **METHODE DE PREPARATION DE DECHETS A ELIMINER**  
[72] Benoit, Michel R., US  
[72] Hansen, Eric R., US  
[72] Reese, Theodore J., US  
[72] Cody, John, US  
[72] Tutt, James Ronald, US  
[72] Peterson, Charles Daniel, US  
[73] ASH GROVE CEMENT COMPANY, US  
[73] CADENCE ENVIRONMENTAL ENERGY, INC., US  
[22] 1989-11-22  
[62] 2,003,564  
[30] US (07/275,402) 1988-11-23  
[30] US (275,788) 1988-11-23

[11] 2,079,297  
[13] C

[51] Int.Cl. 5A61D 1/00  
[25] EN  
[54] **SURGICAL SLIPPER FOR ANIMAL**  
[54] **CHAUSSON CHIRURGICAL POUR ANIMAL**  
[72] Logan, Ernest Fergus, GB  
[73] GILTSPUR SCIENTIFIC LIMITED, GB  
[22] 1992-09-28

[11] 2,082,260  
[13] C

[51] Int.Cl. 5H04N 5/44  
[25] EN  
[54] **WIDE SCREEN TELEVISION**  
[54] **TELEMEGASCOPE**  
[72] Altmanshofer, Robert Dale, US  
[72] Rodriguez-Cavazos, Enrique, US  
[72] Willis, Donald Henry, US  
[72] Ersoz, Nathaniel Haluk, US  
[72] Canfield, Barth Alan, US  
[73] THOMSON CONSUMER ELECTRONICS, INC., US  
[85] 1992-11-05  
[86] 1991-05-29 (PCT/US1991/003740)  
[87] (WO1991/019388)  
[30] GB (9012326.6) 1990-06-01

**Brevets canadiens délivrés  
22 janvier 2002**

---

[11] **2,082,567**  
[13] C

[51] **Int.Cl. 5F16J 15/32**  
[25] EN  
[54] **SEAL**  
[54] **JOINT D'ETANCHEITE**  
[72] Dartnall, William John, AU  
[72] Nowak, Stanley, AU  
[73] The Helical Seal Research Partnership, AU  
[22] 1992-11-10  
[30] AU (PK9405) 1991-11-11

---

[11] **2,082,820**  
[13] C

[51] **Int.Cl. 5C07D 471/04 5A61K 31/435**  
[25] EN  
[54] **DERIVATIVES OF 6-AMINOCTAHDROINDOLIZINETRIOL**  
[54] **DERIVES 6-AMINOCTAHDROINDOLIZINETRIOL**  
[72] Liu, Paul S., US  
[72] Kang, Mohinder S., US  
[73] MERRELL PHARMACEUTICALS INC., US  
[85] 1992-11-12  
[86] 1991-05-08 (PCT/US1991/003179)  
[87] (WO1991/018598)  
[30] US (532,522) 1990-06-04

---

[11] **2,083,364**  
[13] C

[51] **Int.Cl. 5A61B 17/56**  
[25] EN  
[54] **TIBIAL RESECTOR GUIDE**  
[54] **GUIDE DE RESECTION TIBIALE**  
[72] Johnson, Todd S., US  
[72] Lane, Richard Alan, US  
[72] Petersen, Thomas D., US  
[72] Nichols, Chuck, US  
[72] Howard, John R., US  
[73] Petersen, Thomas D., US  
[73] BRISTOL-MYERS SQUIBB COMPANY, US  
[22] 1992-11-19  
[30] US (805,696) 1991-12-10

---

---

[11] **2,085,235**  
[13] C

[51] **Int.Cl. 5G01R 29/10**  
[25] FR  
[54] **DISPOSITIF DE MESURE, EN UNE PLURALITE DE POINTS D'UNE SURFACE DU CHAMP MICRO-ONDE RAYONNE PAR UNE SOURCE**  
[54] **DEVICE FOR MEASURING, AT A PLURALITY OF POINTS ON A SURFACE, A MICROWAVE FIELD RADIATED BY A SOURCE**  
[72] Bolomey, Jean-Charles, FR  
[72] Picard, Dominique, FR  
[73] SOCIÉTÉ D'APPLICATIONS TECHNOLOGIQUES DE L'IMAGERIE MICRO-ONDE, FR  
[85] 1992-12-11  
[86] 1991-06-14 (PCT/FR1991/000479)  
[87] (WO1991/019990)  
[30] FR (90/07406) 1990-06-14

---

[11] **2,087,709**  
[13] C

[51] **Int.Cl. 5G09F 11/18**  
[25] EN  
[54] **PANEL FOR DISPLAYING INFORMATION SUCH AS ADVERTISING MESSAGES**  
[54] **PANNEAU SERVANT A AFFICHER DE L'INFORMATION, COMME DES MESSAGES PUBLICITAIRES**  
[72] López Pérez, José, ES  
[73] Adtime Acquisition Holding Co., Inc., US  
[85] 1993-01-20  
[86] 1991-11-08 (PCT/ES1991/000073)  
[87] (WO1992/022052)  
[30] ES (P 9101311) 1991-05-30

---

[11] **2,092,651**  
[13] C

[51] **Int.Cl. 5C25B 1/20**  
[25] EN  
[54] **METHOD FOR PRODUCING ALKALINE METAL HYDROXIDE**  
[54] **METHODE DE PREPARATION D'HYDROXYDES DE METAUX ALCALINS**  
[72] Suonperae, Timo K., FI  
[72] Ukkonen, Keijo A., FI  
[72] Keskitalo, Erkki M., FI  
[73] Eka Chemicals Oy, FI  
[22] 1993-03-12  
[30] FI (921108) 1992-03-13  
[30] FI (930758) 1993-02-19

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[11] **2,093,638**  
[13] C

[51] **Int.Cl. 5H03G 3/20**  
[25] EN  
[54] **HIGH DYNAMIC RANGE CLOSED LOOP AUTOMATIC GAIN CONTROL CIRCUIT**  
[54] **CIRCUIT DE COMMANDE DE GAIN AUTOMATIQUE EN BOUCLE FERMEE A GRANDE DYNAMIQUE**  
[72] Wheatley, Charles E., III, US  
[72] Punch, Derek N., US  
[73] QUALCOMM INCORPORATED, US  
[85] 1993-04-07  
[86] 1991-11-27 (PCT/US1991/008962)  
[87] (WO1992/010028)  
[30] US (620,092) 1990-11-30

---

[11] **2,093,794**  
[13] C

[51] **Int.Cl. 5C07D 471/10 5A61K 31/47**  
[25] EN  
[54] **1'-AMINOSPIRO-ISOQUINOLINE-4(1H),3-PYRROLIDINE]-1,2',3,5'-(2H)-TETRONES AND ANALOGS THEREOF USEFUL AS ALDOSE REDUCTASE INHIBITORS**  
[54] **1'-AMINOSPIRO-ISOQUINOLEINE-4(1H),3'-PYRROLIDINE]-1,2',3,5'(2H)-TETRONES, UTILES COMME INHIBITEURS DE L'ALDOSE-REDUCTASE**  
[72] Malamas, Michael S., US  
[73] AMERICAN HOME PRODUCTS CORPORATION, US  
[85] 1993-04-08  
[86] 1991-10-10 (PCT/US1991/007473)  
[87] (WO1992/006975)  
[30] US (596,266) 1990-10-12

---

[11] **2,095,728**  
[13] C

[51] **Int.Cl. 5A61K 47/38 5C08L 1/26**  
[25] EN  
[54] **A GEL-FORMING LIQUID CARRIER COMPOSITION**  
[54] **COMPOSITION LIQUIDE, COMME VEHICULE FORMANT UN GEL**  
[72] Carlsson, Anders, SE  
[72] Bogentoft, Conny, SE  
[73] PHARMACIA AKTIEBOLAG, SE  
[85] 1993-05-06  
[86] 1991-10-30 (PCT/SE1991/000731)  
[87] (WO1992/009307)  
[30] SE (9003712-8) 1990-11-22

---

**Canadian Patents Issued  
January 22, 2002**

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[11] **2,095,881**  
[13] C

[51] **Int.Cl. 5C07D 213/72 5A61K 31/44 5C07D 213/65**  
[25] EN  
[54] **2-FORMYLPYRIDINE THIOSEMICARBAZONE ANTITUMOR AGENTS**  
[54] **AGENTS ANTITUMEURS, A BASE DE 2-FORMYLPYRIDINETHIOSEMICARBAZONE**  
[72] Sartorelli, Alan C., US  
[72] Lin, Tai-Shun, US  
[73] YALE UNIVERSITY, US  
[22] 1993-05-10  
[30] US (882,154) 1992-05-13

---

[11] **2,097,563**  
[13] C

[51] **Int.Cl. 5G06F 3/14**  
[25] EN  
[54] **METHOD FOR CONTROLLING WINDOW DISPLAYS IN AN OPEN SYSTEMS WINDOWS ENVIRONMENT**  
[54] **METHODE POUR COMMANDER LES AFFICHEURS A DECOUPAGE DE SYSTEMES OUVERTS**  
[72] Staggs, Kevin Paul, US  
[72] Clawson, Laurence Arthur, US  
[73] HONEYWELL INC., US  
[22] 1993-06-02  
[30] US (07/899,441) 1992-06-16

---

[11] **2,097,801**  
[13] C

[51] **Int.Cl. 5A61K 9/50 5B01J 13/16**  
[25] EN  
[54] **METHOD OF PRODUCING COLLAGEN PARTICLES, AND THE USE OF SUCH PARTICLES AS SUBSTRATES FOR ACTIVE SUBSTANCES**  
[54] **METHODE DE PRODUCTION DE PARTICULES DE COLLAGENE ET UTILISATION DE TELLES PARTICULES EN TANT QUE SUBSTRATS POUR DES SUBSTANCES ACTIVES**  
[72] Kreuter, Jörg, DE  
[72] Scherer, Dieter, DE  
[72] Müller, Walter, DE  
[72] Roreger, Michael, DE  
[73] LTS LOHMANN THERAPIE-SYSTEME GMBH & CO. KG, DE  
[85] 1993-06-04  
[86] 1991-11-21 (PCT/EP1991/002195)  
[87] (WO1992/010287)  
[30] DE (P 40 38 887.5) 1990-12-06

---

[11] **2,099,621**  
[13] C

[51] **Int.Cl. 5F25B 45/00**  
[25] EN  
[54] **NON-CONDENSABLE PURGE CONTROL FOR REFRIGERANT RECYCLING SYSTEM**  
[54] **COMMANDE DE PURGE DE PRODUITS NON CONDENSABLES DESTINEE A UN SYSTEME DE RECYCLAGE DE REFRIGERANT**  
[72] Pfefferle, Dean P., US  
[72] Husarik, Roger L., US  
[72] Martin, J. Steven, US  
[73] SNAP-ON TOOLS CORPORATION, US  
[22] 1993-06-24

---

[11] **2,100,759**  
[13] C

[51] **Int.Cl. 5A61K 7/11**  
[25] FR  
[54] **LAQUE AEROSOL CAPILLAIRE**  
[54] **AEROSOL HAIR SPRAY**  
[72] Sturla, Jean-Michel, FR  
[72] Beitone, Régis, FR  
[73] L'OREAL, FR  
[85] 1993-07-16  
[86] 1992-11-20 (PCT/FR1992/001081)  
[87] (WO1993/009757)  
[30] FR (91/14353) 1991-11-21

---

[11] **2,100,848**  
[13] C

[51] **Int.Cl. 5A23L 1/308**  
[25] EN  
[54] **PROCESS FOR TREATING WATER-SOLUBLE DIETARY FIBER WITH BETA-GLUCANASE**  
[54] **PROCEDE DE TRAITEMENT DES FIBRES ALIMENTAIRES HYDROSOLUBLES AVEC LA BETA-GLUCANASE**  
[72] Smith, John J., US  
[73] QUAKER OATS COMPANY (THE), US  
[22] 1993-07-19

---

[11] **2,101,055**  
[13] C

[51] **Int.Cl. 5A47H 13/04 5A47H 23/02**  
[25] EN  
[54] **A CLOTH HANGER CLIP AND A FABRIC INTENDED TO BE USED TOGETHER WITH THE CLIP**  
[54] **PINCE A LINGE ET TISSU A ETRE UTILISE AVEC LADITE PINCE**  
[72] Henningsson, Goran, SE  
[72] Andersson, Hans, SE  
[73] Ludvig Svensson International B.V., NL  
[85] 1993-07-23  
[86] 1991-01-24 (PCT/SE1991/000050)  
[87] (WO1992/012621)

---

[11] **2,102,114**  
[13] C

[51] **Int.Cl. 5H04J 13/00 5H04B 7/26**  
[25] EN  
[54] **METHOD AND APPARATUS FOR CONTROLLING TRANSMISSION POWER IN A CDMA CELLULAR MOBILE TELEPHONE SYSTEM**  
[54] **METHODE ET APPAREIL POUR COMMANDER LA PUISSANCE D'EMISSION DANS UN SYSTEME DE TELEPHONIE MOBILE CELLULAIRE AMDC**  
[72] Gilhousen, Klein S., US  
[72] Padovani, Roberto, US  
[72] Wheatley, Charles E., III, US  
[72] Weaver, Lindsay A., Jr., US  
[72] Blakeney, Robert D., II, US  
[73] QUALCOMM INC., US  
[85] 1993-10-29  
[86] 1992-05-17 (PCT/US1992/004161)  
[87] (WO1992/021196)  
[30] US (702,029) 1991-05-17

**Brevets canadiens délivrés  
22 janvier 2002**

---

[11] **2,102,457**  
[13] C

[51] **Int.Cl. 5C07H 17/08 5C07D 333/20 5C07C 211/27 5C07C 217/62 5A61K 31/70**  
[25] FR  
[54] **DERIVES DE L'ERYTHROMYCINE, LEUR PROCEDE DE PREPARATION, LEUR APPLICATION COMME MEDICAMENTS**  
[54] **ERYTHROMYCIN DERIVATIVES, PROCESS FOR THE PREPARATION THEREOF, AND USE THEREOF AS MEDICAMENTS**  
[72] Agouridas, Constantin, FR  
[72] Bonnefoy, Alain, FR  
[72] Chantot, Jean-François, FR  
[72] Denis, Alexis, FR  
[72] Le Martret, Odile, FR  
[73] HOECHST MARION ROUSSEL, FR  
[22] 1993-11-04  
[30] FR (92 13 320) 1992-11-05  
[30] FR (93 08 109) 1993-07-02

---

[11] **2,102,757**  
[13] C

[51] **Int.Cl. 5E02F 3/32 5E02F 3/36**  
[25] EN  
[54] **LOCK FOR RETAINING STABILIZER IN RAISED POSITION**  
[54] **DISPOSITIF POUR VERROUILLER EN POSITION LEVEE LES BRAS DE STABILISATION**  
[72] Kraft, Troy D., US  
[72] Weber, Henry J., US  
[73] Clark Equipment Company, US  
[22] 1993-11-09  
[30] US (08/006,810) 1993-01-21

---

[11] **2,103,209**  
[13] C

[51] **Int.Cl. 5A61B 17/58**  
[25] EN  
[54] **MODULAR MARROW NAIL**  
[54] **CLOU MEDULAIRE MODULAIRE**  
[72] Frigg, Robert, CH  
[73] SYNTHES (U.S.A.), US  
[22] 1993-11-16  
[30] CH (PCT/CH92/00235) 1992-12-04

---

[11] **2,104,304**  
[13] C

[51] **Int.Cl. 5C22C 21/00 5C22C 1/02**  
[25] EN  
[54] **ALUMINUM MASTER ALLOYS CONTAINING STRONTIUM AND BORON FOR GRAIN REFINING AND MODIFYING**  
[54] **ALLIAGES-MERES D'ALUMINIUM CONTENANT DU STRONTIUM ET DU BORE POUR L'AFFINAGE ET LA MODIFICATION DU GRAIN**  
[72] Setzer, William C., US  
[72] Young, David K., US  
[72] Dunville, Bryan T., US  
[72] Koch, Frank P., US  
[72] Malliris, Richard J., US  
[73] KB Alloys, Inc., US  
[85] 1993-08-17  
[86] 1992-03-03 (PCT/US1992/001407)  
[87] (WO1992/015719)  
[30] US (664,309) 1991-03-04

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[11] **2,107,556**  
[13] C

[51] **Int.Cl. 6C07K 7/18 5A61K 49/00 6C07K 7/02 6A61K 38/10 5A61K 47/42**  
[25] EN  
[54] **INCREASING BLOOD-BRAIN BARRIER PERMEABILITY WITH PERMEABILIZER PEPTIDES**  
[54] **AUGMENTATION DE LA PERMEABILITE DE LA BARRIERE HEMATO-ENCEPHALIQUE A L'AIDE DE PEPTIDES PERMEABILISANTS**  
[72] Kozarich, John W., US  
[72] Musso, Gary F., US  
[72] Malfroy-Camine, Bernard, US  
[73] ALKERMES, INC., US  
[85] 1993-10-01  
[86] 1992-04-23 (PCT/US1992/003352)  
[87] (WO1992/018529)  
[30] US (07/690,522) 1991-04-23

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[11] **2,107,663**  
[13] C

[51] **Int.Cl. 5G10K 11/16**  
[25] EN  
[54] **ACTIVE NOISE REDUCTION**  
[54] **DISPOSITIF ACTIF DE REDUCTION DU BRUIT**  
[72] Nadim, Mohammed, GB  
[73] NOISE CANCELLATION TECHNOLOGIES, INCORPORATED, US  
[85] 1993-10-04  
[86] 1992-04-09 (PCT/GB1992/000642)  
[87] (WO1992/018975)  
[30] GB (9107416.1) 1991-04-09

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[11] **2,109,465**  
[13] C

[51] **Int.Cl. 5H04R 1/44**  
[25] FR  
[54] **DISPOSITIF D'ETANCHEITE DE MOTEURS ELECTRO-ACOUSTIQUES**  
[54] **SEALING DEVICE FOR ELECTRO-ACOUSTICAL TRANSDUCERS**  
[72] Boucher, Didier, FR  
[72] Scarpitta, Alain, FR  
[73] ÉTAT FRANÇAIS représenté par le Délégué Général pour l'Armement, FR  
[22] 1993-10-28  
[30] FR (92 13 301) 1992-11-05

---

[11] **2,109,466**  
[13] C

[51] **Int.Cl. 5H04R 1/44 5H04R 17/00**  
[25] FR  
[54] **PROCEDE ET TRANSDUCTEURS POUR EMETTRE DES ONDES ACOUSTIQUES BASSE FREQUENCE DANS UN LIQUIDE EN IMMERSION ILLIMITEE**  
[54] **METHOD AND TRANSDUCERS FOR TRANSMITTING LOW FREQUENCY ACOUSTIC WAVES IN A LIQUID**  
[72] Boucher, Didier, FR  
[73] ÉTAT FRANÇAIS représenté par le Délégué Général pour l'Armement, FR  
[22] 1993-10-28  
[30] FR (92 13 303) 1992-11-05

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[11] **2,110,979**  
[13] C

[51] **Int.Cl. 5A61N 1/36**  
[25] EN  
[54] **VOICE SUPPRESSION OF VAGAL STIMULATION**  
[54] **SUPPRESSION VOCALE DE LA VAGOTONIE**  
[72] Baker, Ross G., Jr., US  
[73] Cyberonics, Inc., US  
[85] 1993-12-08  
[86] 1992-06-12 (PCT/US1992/004819)  
[87] (WO1992/022348)  
[30] US (715,428) 1991-06-14



**Canadian Patents Issued  
January 22, 2002**

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[11] **2,111,097**  
[13] C

[51] **Int.Cl. 5B29C 47/04 5B32B 3/30**  
[25] EN  
[54] **APPARATUS AND PROCESS FOR MAKING COMPOSITE FILMS**  
[54] **APPAREIL SERVANT A FABRIQUER DES PELLICULES COMPOSITES, ET PROCEDE CONNEXE**  
[72] Kirksey, William A., US  
[73] S. C. JOHNSON HOME STORAGE, INC., US  
[85] 1993-12-09  
[86] 1991-06-13 (PCT/US1991/004199)  
[87] (WO1992/022415)

---

[11] **2,113,921**  
[13] C

[51] **Int.Cl. 5B65H 1/12**  
[25] EN  
[54] **ENVELOPE-ALIGNMENT DEVICE D'ENVELOPPES**  
[72] Burger, Manfred, AT  
[73] Burger, Manfred, AT  
[85] 1994-01-20  
[86] 1993-05-27 (PCT/EP1993/001331)  
[87] (WO1993/025459)  
[30] AT (A 1201/92) 1992-06-12

---

[11] **2,115,564**  
[13] C

[51] **Int.Cl. 6C07K 14/00 6C07K 2/00 5A61K 39/108 5A61K 39/116 5A61K 39/385**  
[25] EN  
[54] **ESCHERICHIA COLI O-POLYSACCHARIDE-PROTEIN CONJUGATE VACCINE**  
[54] **VACCIN CONJUGUE PROTEINE/O-POLYSACCHARIDE D'ESCHERICHIA COLI**  
[72] Furer, Emil P., CH  
[72] Swiss Serum and Vaccine Institute Berne, CH  
[73] Swiss Serum and Vaccine Institute Berne, CH  
[85] 1994-02-11  
[86] 1992-08-11 (PCT/US1992/006531)  
[87] (WO1993/003765)  
[30] US (07/743,787) 1991-08-12

---

---

[11] **2,116,445**  
[13] C

[51] **Int.Cl. 5G01B 11/26 5G02B 27/14**  
[25] EN  
[54] **PORTABLE LASER DEVICE FOR ALIGNMENT TASKS**  
[54] **OUTIL PORTATIF AU LASER POUR TACHES D'ALIGNEMENT**  
[72] Hersey, William H., US  
[73] PACIFIC LASER, US  
[85] 1994-02-24  
[86] 1992-08-28 (PCT/US1992/007149)  
[87] (WO1993/005428)  
[30] US (753,724) 1991-09-03

---

[11] **2,116,901**  
[13] C

[51] **Int.Cl. 5A01G 29/00**  
[25] EN  
[54] **IRRIGATION APPARATUS**  
[54] **DISPOSITIF D'IRRIGATION**  
[72] Fisher, Donald E., CA  
[73] Fisher, Donald E., CA  
[22] 1994-03-03

---

[11] **2,119,328**  
[13] C

[51] **Int.Cl. 5B65G 65/40 5B01F 3/08**  
[25] EN  
[54] **APPARATUS AND METHOD FOR RECOVERING PRODUCT**  
[54] **INSTALLATION ET PROCEDE POUR LA RECUPERATION DE PRODUITS**  
[72] Ritter, Robert J., CA  
[73] Subsea International Inc., US  
[73] Marex International Ltd., CA  
[22] 1994-03-17

---

[11] **2,120,030**  
[13] C

[51] **Int.Cl. 5A43B 13/18 5A43B 10/00 5A43B 13/40**  
[25] EN  
[54] **SHOE SOLE COMPONENT AND SHOE SOLE COMPONENT CONSTRUCTION METHOD**  
[54] **SEMELLE DE CHAUSSURE ET METHODE DE FABRICATION DE CELLE-CI**  
[72] Skaja, Joseph J., US  
[73] SKYDEX TECHNOLOGIES, INC., US  
[85] 1994-03-25  
[86] 1992-09-04 (PCT/US1992/007494)  
[87] (WO1993/005675)  
[30] US (766,736) 1991-09-26

---

---

[11] **2,120,600**  
[13] C

[51] **Int.Cl. 5H04J 3/12 5H04B 7/26**  
[25] EN  
[54] **METHOD FOR TRANSMITTING BROADCAST INFORMATION IN A DIGITAL CONTROL CHANNEL**  
[54] **PROCEDE POUR LA TRANSMISSION D'INFORMATION DIFFUSE DANS UN CANAL A COMMANDE NUMERIQUE**  
[72] Raith, Alex K., US  
[73] ERICSSON INC., US  
[85] 1994-04-05  
[86] 1993-09-03 (PCT/US1993/008363)  
[87] (WO1994/008432)  
[30] US (07/956,640) 1992-10-05

---

[11] **2,121,435**  
[13] C

[51] **Int.Cl. 5A61K 47/36**  
[25] EN  
[54] **AQUEOUS PHARMACEUTICAL SUSPENSION AND PROCESS FOR PREPARATION THEREOF**  
[54] **SUSPENSION PHARMACEUTIQUE AQUEUSE ET METHODE DE PREPARATION**  
[72] Ratnaraj, Sheila M., US  
[72] Sunshine, Warren L., US  
[73] MCNEIL-PPC, INC., US  
[22] 1994-04-15  
[30] US (08/048,701) 1993-04-16

---

[11] **2,122,128**  
[13] C

[51] **Int.Cl. 5B65D 85/28 5A45C 11/34**  
[25] EN  
[54] **POCKET CONTAINER AND STAND FOR WRITING IMPLEMENTS**  
[54] **SUPPORT PLIANT FORMAT POCHE POUR ARTICLES D'ECRITURE**  
[72] Hayduchok, Leon, US  
[73] Hayduchok, Leon, US  
[85] 1994-04-25  
[86] 1992-10-22 (PCT/US1992/009029)  
[87] (WO1993/008100)  
[30] US (07/782,655) 1991-10-25

---

**Brevets canadiens délivrés  
22 janvier 2002**

---

[11] **2,122,962**  
[13] C

[51] **Int.Cl. 5G01L 27/00 5G01M 19/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR TESTING A SPRING-LOADED SAFETY VALVE**  
[54] **METHODE ET DISPOSITIF DE CONTROLE D'UNE SOUPAPE DE SURETE A RESSORT**  
[72] Kuenh Edmund, DE  
[72] Sieber, Tilo, DE  
[72] Butkereit, Werner, DE  
[73] SIEMENS AKTIENGESELLSCHAFT, DE  
[22] 1994-05-05  
[30] DE (P 43 15 281.3) 1993-05-07

---

[11] **2,123,901**  
[13] C

[51] **Int.Cl. 5F25B 17/08**  
[25] EN  
[54] **IMPROVED DISCRETE CONSTANT PRESSURE SYSTEM FOR STAGING SOLID-VAPOR COMPOUNDS**  
[54] **SYSTEME DISCRET AMELIORE A PRESSION CONSTANTE POUR SEPARER LES COMPOSES SOLIDE-VAPEUR**  
[72] Rockenfeller, Uwe, US  
[72] Kirol, Lance D., US  
[73] ROCKY RESEARCH, US  
[85] 1994-05-18  
[86] 1992-11-24 (PCT/US1992/010255)  
[87] (WO1993/013369)  
[30] US (07/813,283) 1991-12-20

---

[11] **2,124,080**  
[13] C

[51] **Int.Cl. 5G11B 23/34**  
[25] EN  
[54] **TAPE RECORDING METHOD AND APPARATUS**  
[54] **METHODE ET APPAREIL D'ENREGISTREMENT A BANDE MAGNETIQUE**  
[72] Tsai, Irving, US  
[73] Tsai, Irving, US  
[85] 1994-05-20  
[86] 1992-11-18 (PCT/US1992/009984)  
[87] (WO1993/010536)  
[30] US (07/796,580) 1991-11-22

---

---

[11] **2,129,368**  
[13] C

[51] **Int.Cl. 5G01N 33/543 5G01N 35/02**  
[25] EN  
[54] **ASSAY VERIFICATION CONTROL FOR ANALYTICAL METHODS**  
[54] **PROCEDE DE VERIFICATION DE METHODOLOGIES D'ESSAI POUR METHODES ANALYTIQUES**  
[72] Schmidt, Linda S., US  
[72] Spronk, Adrian M., US  
[72] Clark, Frederic L., US  
[72] Clift, Gilbert, US  
[72] Hendrick, Kendall B., US  
[72] Yost, David A., US  
[72] Kanewske, William J., III, US  
[72] Lagocki, Peter A., US  
[72] Mitchell, James E., US  
[72] Martin, Richard R., US  
[72] Moore, Larry W., US  
[72] Pennington, Charles D., US  
[72] Walker, Edna S., US  
[72] Smith, B. Jane, US  
[72] Tayi, Apparao, US  
[72] Vaught, James A., US  
[73] ABBOTT LABORATORIES, US  
[85] 1994-08-02  
[86] 1993-03-24 (PCT/US1993/002777)  
[87] (WO1993/020443)  
[30] US (07/859,218) 1992-03-27  
[30] US (07/915,163) 1992-07-20

---

[11] **2,130,364**  
[13] C

[51] **Int.Cl. 5G01L 9/12**  
[25] EN  
[54] **CAPACITIVE TRANSDUCER FEEDBACK-CONTROLLED BY MEANS OF ELECTROSTATIC FORCE AND METHOD FOR CONTROLLING THE PROFILE OF THE TRANSDUCING ELEMENT IN THE TRANSDUCER**  
[54] **TRANSDUCTEUR CAPACITIF COMMANDE PAR REACTION A L'AIDE D'UNE FORCE ELECTROSTATIQUE ET METHODE POUR CONTROLER LE PROFIL DE L'ELEMENT TRANSDUCTEUR**  
[72] Ryhänen, Tapani, FI  
[73] Vaisala Oy, FI  
[22] 1994-08-18  
[30] FI (933670) 1993-08-20

---

---

[11] **2,130,511**  
[13] C

[51] **Int.Cl. 5B02B 3/04**  
[25] EN  
[54] **VERTICAL PEARLING MACHINES AND APPARATUS FOR PRELIMINARY TREATMENT PRIOR TO FLOUR MILLING USING SUCH PEARLING MACHINES**  
[54] **MACHINE VERTICALE DE PERLAGE ET APPAREIL UTILISANT CE TYPE DE MACHINE POUR LE TRAITEMENT PREALABLE DES GRAINS AVANT LEUR MOUTURE**  
[72] Satake, Satoru, JP  
[72] Ishii, Takeshi, JP  
[72] Tokui, Yoshihiro, JP  
[73] SATAKE CORPORATION, JP  
[22] 1994-08-19  
[30] JP (269952/1993) 1993-10-01

---

[11] **2,130,668**  
[13] C

[51] **Int.Cl. 5H02P 5/28**  
[25] EN  
[54] **METHOD AND APPARATUS FOR CORRECTING HYSTERESIS SYNCHRONOUS MOTOR HUNTING**  
[54] **METHODE ET DISPOSITIF POUR CORRIGER LE POMPAGE DANS UN MOTEUR SYNCHRONE A HYSTERESIS**  
[72] Boston, W. Thomas, US  
[72] Carl, James A., US  
[72] Connolly, John L., III, US  
[73] ECRM INC., US  
[85] 1994-08-22  
[86] 1993-02-18 (PCT/US1993/001466)  
[87] (WO1993/018577)  
[30] US (07/844,279) 1992-03-02

---

[11] **2,131,456**  
[13] C

[51] **Int.Cl. 5E21B 7/06 5E21B 17/10**  
[25] EN  
[54] **DOWNHOLE TOOL FOR CONTROLLING THE DRILLING COURSE OF A BOREHOLE**  
[54] **OUTIL DE FOND POUR CONTROLER LE FORAGE D'UN TROU DE FORAGE**  
[72] Webster, David Wade, GB  
[73] Ledge 101 Limited, GB  
[85] 1994-09-02  
[86] 1993-03-05 (PCT/GB1993/000465)  
[87] (WO1993/018273)  
[30] GB (9204910.5) 1992-03-05

---

Canadian Patents Issued  
January 22, 2002

[11] 2,134,458  
[13] C

[51] Int.Cl. 5B01F 5/10 5B01F 7/00 5B01F 5/04  
[25] EN  
[54] METHOD AND APPARATUS FOR STORING AND HANDLING WASTE WATER SLURRIES  
[54] METHODE ET DISPOSITIF POUR LE STOCKAGE ET LE TRAITEMENT DE DECHETS SOLIDES EN SUSPENSION DANS L'EAU  
[72] Crump, James Mark, US  
[72] Doyle, Bruce Kempton, Jr., US  
[73] Great Lakes Aqua Sales and Service, Inc., US  
[85] 1994-10-26  
[86] 1993-05-05 (PCT/US1993/004464)  
[87] (WO1993/022043)  
[30] US (879,602) 1992-05-07

[11] 2,135,038  
[13] C

[51] Int.Cl. 5B21F 29/00  
[25] EN  
[54] METHOD AND APPARATUS FOR AUTOMATED PROCESSING AND HANDLING OF MASH WELDED SHEET METAL BLANKS  
[54] METHODE ET APPAREILLAGE POUR LE TRAITEMENT ET LA MANIPULATION AUTOMATIQUES DE FEUILLES DE METAL VIERGES, SOUDEES A LA MOLETTE PAR ECRASEMENT  
[72] BISHOP, BOB, CA  
[73] BISHOP, BOB, CA  
[22] 1994-11-03

[11] 2,135,778  
[13] C

[51] Int.Cl. 5B65D 19/12  
[25] EN  
[54] A CONTAINER KIT  
[54] CONTENEUR DEMONTABLE  
[72] KARPISEK, LADISLAV STEPHAN, AU  
[73] KARPISEK, LADISLAV STEPHAN, AU  
[85] 1994-11-14  
[86] 1993-05-24 (PCT/AU1993/000234)  
[87] (WO1993/024379)  
[30] AU (PL2608) 1992-05-25

[11] 2,137,574  
[13] C

[51] Int.Cl. 5G03H 1/02 5G06K 5/00 5G03H 1/24  
[25] EN  
[54] HOLOGRAMS HAVING A STANDARD REFERENCE COLOUR  
[54] HOLOGRAMMES A COULEUR DE REFERENCE  
[72] Vivarelli, Ulisse, IT  
[73] Istituto Poligrafico e Zecca Dello Stato, IT  
[85] 1994-12-07  
[86] 1993-06-08 (PCT/EP1993/001437)  
[87] (WO1993/025941)  
[30] IT (FI92A 000122) 1992-06-08

[11] 2,139,740  
[13] C

[51] Int.Cl. 6G01N 35/10  
[25] EN  
[54] AUTOMATED SAMPLE EXTRACTOR OR FEEDER/ INOCULATOR FOR BIOREACTORS AND SIMILAR EQUIPMENT  
[54] ECHANTILLONNEUR AUTOMATISE OU ALIMENTATION/ INOCULATEUR DESTINE AUX BIOREACTEURS ET AU MATERIEL SIMILAIRE  
[72] Newberg, Douglas A., US  
[72] Pavlin, Vjekoslav, US  
[72] Newberg, Richard R., US  
[72] Jackson, C. S. Yang, US  
[73] NL Technologies, Limited, US  
[73] University of Maryland at College Park, US  
[85] 1995-01-06  
[86] 1993-07-07 (PCT/US1993/006347)  
[87] (WO1994/001750)  
[30] US (07/911,052) 1992-07-09

[11] 2,141,465  
[13] C

[51] Int.Cl. 6A61M 11/02 6A61M 15/00  
[25] EN  
[54] MEDICAMENT INHALER AND METHOD  
[54] INHALATEUR DE MEDICAMENTS ET METHODE  
[72] Villax, Peter, PT  
[72] Peres, Rui, PT  
[72] Treneman, William Richard, GB  
[72] McDerment, Iain Grierson, GB  
[72] Bunce, Martin, GB  
[73] Plurichemie Anstalt, LI  
[22] 1995-01-31  
[30] PT (101,450) 1994-02-02

[11] 2,142,366  
[13] C

[51] Int.Cl. 6H02J 7/04  
[25] EN  
[54] METHOD AND APPARATUS FOR BATTERY CHARGING  
[54] METHODE ET APPAREILS POUR CHARGER DES BATTERIES  
[72] Reipur, John, DK  
[72] Juul-Hansen, Ebbe, DK  
[73] Chartec Laboratories A/S, DK  
[85] 1995-02-13  
[86] 1993-08-16 (PCT/DK1993/000267)  
[87] (WO1994/005068)  
[30] DK (1016/92) 1992-08-14

[11] 2,144,438  
[13] C

[51] Int.Cl. 6G01V 3/20 6G01V 3/28 6G01V 3/38  
[25] EN  
[54] METHOD OF DETERMINING FORMATION RESISTIVITY UTILIZING COMBINED MEASUREMENTS OF INDUCTIVE AND GALVANIC LOGGING INSTRUMENTS  
[54] METHODE DE DETERMINATION DE LA RESISTIVITE D'UNE FORMATION A L'AIDE DES MESURES COMBINEES OBTENUES AU MOYEN D'INSTRUMENTS DE DIAGRAPHIE INDUCTIFS ET GALVANIQUES  
[72] Strack, Kurt-M., US  
[72] Tabarovsky, Leonty A., US  
[72] Payton, Christopher C., US  
[73] WESTERN ATLAS INTERNATIONAL, INC., US  
[85] 1995-03-10  
[86] 1994-07-19 (PCT/US1994/007991)  
[87] (WO1995/003557)  
[30] US (08/095,394) 1993-07-21

**Brevets canadiens délivrés  
22 janvier 2002**

[11] **2,144,948**  
[13] C

[51] **Int.Cl. 6A23L 1/18**  
[25] EN  
[54] **RAPIDLY REHYDRATABLE  
FOODSTUFF FOR ADDING TO  
INSTANT SOUP OR THE LIKE**  
[54] **ALIMENT RAPIDEMENT  
REHYDRATABLE POUVANT ETRE  
AJOUTE A DES MELANGES A SOUPES  
INSTANTANEEES OU A DES PRODUITS  
ANALOGUES**  
[72] Desjardins, Jean-Jacques, CH  
[72] Dupart, Pierre, CH  
[73] SOCIETE DES PRODUITS NESTLE  
S.A., CH  
[85] 1995-03-17  
[86] 1994-07-26 (PCT/CH1994/000155)  
[87] (WO1995/004475)  
[30] CH (2384/93-5) 1993-08-11

[11] **2,145,274**  
[13] C

[51] **Int.Cl. 6G01R 27/14**  
[25] EN  
[54] **CIRCUIT FOR MEASURING  
SOURCE RESISTANCE OF A SENSOR**  
[54] **CIRCUIT POUR MESURER LA  
RESISTANCE D'UN CAPTEUR**  
[72] Kolvek, Roland H., US  
[73] Rosemount Analytical Inc., US  
[85] 1995-03-22  
[86] 1993-09-28 (PCT/US1993/009226)  
[87] (WO1994/009376)  
[30] US (07/962,133) 1992-10-16

[11] **2,146,096**  
[13] C

[51] **Int.Cl. 6E21B 47/06**  
[25] EN  
[54] **THERMAL DISPERSION PROBE**  
[54] **SONDE DE DISPERSION  
THERMIQUE**  
[72] ANDREAE, Peter Robert, CA  
[72] NOWICKI, Mark A., CA  
[72] LOWNIE, Timothy M., CA  
[72] BEVAN, Stuart F., CA  
[73] 1273941 ONTARIO INC., CA  
[22] 1995-03-31  
[30] US (08/221,105) 1994-03-31

[11] **2,149,333**  
[13] C

[51] **Int.Cl. 6C12N 15/12 6C12N 9/12  
6A61K 38/17 6G01N 33/566 6C07K 14/82**  
[25] EN  
[54] **ECK RECEPTOR LIGANDS**  
[54] **LIGANDS DU RECEPTEUR ECK**  
[72] Bartley, Timothy D., US  
[72] Boyle, William J., US  
[72] Fox, Gary M., US  
[72] Welcher, Andrew A., US  
[72] Parker, Vann P., US  
[73] AMGEN INC., US  
[85] 1995-05-12  
[86] 1993-11-12 (PCT/US1993/010879)  
[87] (WO1994/011020)  
[30] US (07/977,708) 1992-11-13  
[30] US (08/145,616) 1993-11-09

[11] **2,149,486**  
[13] C

[51] **Int.Cl. 6F16D 13/58**  
[25] EN  
[54] **TORQUE OVERLOAD FREE  
MOTION DEVICES**  
[54] **DISPOSITIFS DE SURCHARGE DE  
COUPLE, A MOUVEMENT LIBRE**  
[72] Hansen, George N. P., US  
[72] Fechter, Mark A., US  
[72] Mayhew, Roger D., US  
[73] WEASLER ENGINEERING, INC., US  
[22] 1995-05-16  
[30] US (08/395,341) 1995-02-28

[11] **2,150,138**  
[13] C

[51] **Int.Cl. 6H02G 15/34**  
[25] EN  
[54] **GAS-COOLED BUSHING IN  
CRYOTANKS FOR  
SUPERCONDUCTING APPLICATIONS**  
[54] **TRAVERSEE DE CRYO-  
RESERVOIR, REFROIDIE AU GAZ,  
POUR APPLICATIONS  
SUPRACONDUCTRICES**  
[72] Bonmann, Dietrich, DE  
[72] Hörnfeldt, Sven, SE  
[73] ABB AB, SE  
[85] 1995-05-24  
[86] 1993-11-01 (PCT/SE1993/000908)  
[87] (WO1994/013048)  
[30] SE (9203591-4) 1992-11-30

[11] **2,156,777**  
[13] C

[51] **Int.Cl. 6A47B 95/00**  
[25] EN  
[54] **FURNITURE FITTING**  
[54] **RACCORD D'ASSEMBLAGE POUR  
ELEMENT DE MOBILIER**  
[72] Brüstle, Klaus, AT  
[72] Netzer, Emanuel, AT  
[72] Huber, Edgar, AT  
[73] Julius Blum Gesellschaft m.b.H., AT  
[22] 1995-08-23  
[30] AT (A 1644/94) 1994-08-26

[11] **2,158,890**  
[13] C

[51] **Int.Cl. 6A61B 17/86 6F16B 43/00**  
[25] EN  
[54] **SPHERICAL WASHER FOR USE  
WITH A BONE SCREW**  
[54] **RONDELLE SPHERIQUE POUR  
VIS A OS**  
[72] Runciman, John, CA  
[72] Agnew, Samuel G., US  
[72] Leighton, Ross Kenneth, CA  
[73] TERRAY CORPORATION, CA  
[22] 1995-09-22

[11] **2,161,704**  
[13] C

[51] **Int.Cl. 6G01N 33/58 6G01N 33/53  
6G01N 33/72 6G01N 33/74**  
[25] EN  
[54] **ELECTROCHEMILUMINESCENCE  
ASSAY**  
[54] **MESURE DE  
L'ELECTROCHIMIO-LUMINESCENCE**  
[72] Klemt, Volker, DE  
[72] Müller, Günter, DE  
[72] Neumann, Ulrich, DE  
[72] Giesen, Ursula, DE  
[72] Hoyle, Nicholas, DE  
[73] ROCHE DIAGNOSTICS GMBH, DE  
[85] 1995-10-27  
[86] 1994-04-27 (PCT/EP1994/001328)  
[87] (WO1994/025853)  
[30] DE (P 43 14 547.7) 1993-05-03  
[30] DE (P 43 32 697.8) 1993-09-25  
[30] DE (P 44 01 577.1) 1994-01-20

Canadian Patents Issued  
January 22, 2002

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[11] **2,162,651**  
[13] C  
[51] **Int.Cl. 6C25B 1/00 6C25B 11/08 6C01B 13/10 6C02F 1/461**  
[25] EN  
[54] **OZONE WATER PRODUCTION APPARATUS**  
[54] **APPAREIL DE PRODUCTION D'EAU OZONEE**  
[72] Shiota, Hirokazu, JP  
[72] Kurihara, Kazuo, JP  
[72] Takagi, Yasuyuki, JP  
[73] KABUSHIKI KAISHA KOBE SEIKO SHO, JP  
[22] 1995-11-10  
[30] JP (6-303047) 1994-11-11  
[30] JP (6-303046) 1994-11-11

---

[11] **2,162,837**  
[13] C  
[51] **Int.Cl. 6A61B 17/56**  
[25] EN  
[54] **BONE PLATE SHAPING DEVICE**  
[54] **DISPOSITIF DE DECOUPE DE POITRINE DE BOEUF**  
[72] Runciman, John, CA  
[72] Desjardins, Raymond, CA  
[73] TERRAY CORPORATION, CA  
[22] 1995-11-14

---

[11] **2,170,943**  
[13] C  
[51] **Int.Cl. 6A63C 19/10 6E04H 17/16**  
[25] EN  
[54] **SUPPORTLESS DASHER BOARD**  
[54] **PLANCHE DE BORD SANS SUPPORT**  
[72] VALLANCE, Douglas, CA  
[72] TOWNSEND, Brian, CA  
[73] ATHLETICA, INC., US  
[22] 1996-03-04

---

[11] **2,175,656**  
[13] C  
[51] **Int.Cl. 6C07C 11/02 6C10G 11/05 6C07C 4/06**  
[25] EN  
[54] **A PROCESS FOR PRODUCING LIGHT OLEFINS BY CATALYTIC CONVERSION OF HYDROCARBONS**  
[54] **PROCEDE POUR PRODUIRE DES OLEFINES LEGERES PAR CONVERSION CATALYTIQUE D'HYDROCARBURES**  
[72] Li, Zaiting, CN  
[72] Xie, Chaogang, CN  
[72] Shi, Wenyuan, CN  
[72] Jiang, Fukang, CN  
[72] Liu, Shunhua, CN  
[72] Pan, Rennan, CN  
[72] Li, Shichun, CN  
[73] China Petro-Chemical Corporation, CN  
[73] Research Institute of Petroleum Processing, Sinopec, CN  
[85] 1996-05-02  
[86] 1994-11-04 (PCT/CN1994/000086)  
[87] (WO1995/012562)  
[30] CN (93119748.1) 1993-11-05

---

[11] **2,176,096**  
[13] C  
[51] **Int.Cl. 6B22D 41/08 6B22D 41/46**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PLACING REFRACTORY SAND IN THE DISCHARGE CHANNEL OF A METALLURGICAL VESSEL**  
[54] **METHODE ET APPAREIL POUR PLACER DU SABLE REFRACTAIRE DANS LE CANAL DE VIDANGE D'UN RECIPIENT METALLURGIQUE**  
[72] WEBER, JUERGEN, CA  
[73] Ferropur Inc., CA  
[22] 1996-05-08

---

[11] **2,176,148**  
[13] C  
[51] **Int.Cl. 6G06F 9/455 6G06F 13/00 6G06F 12/10**  
[25] EN  
[54] **ADDRESS GENERATOR FOR SOLID STATE DISK DRIVE**  
[54] **GENERATEUR D'ADRESSES POUR UNITE DE DISQUES A SEMI-CONDUCTEURS**  
[72] Tuma, George B., US  
[72] Tuma, Wade B., US  
[73] DISK EMULATION SYSTEMS, INC., US  
[85] 1996-05-08  
[86] 1994-11-18 (PCT/US1994/013301)  
[87] (WO1995/014272)  
[30] US (155,332) 1993-11-19

---

[11] **2,176,435**  
[13] C  
[51] **Int.Cl. 6B01J 20/24 6D21C 5/02**  
[25] EN  
[54] **ABSORBENT GRANULAR MATERIAL AND PROCESS AND APPARATUS FOR MAKING THE ABSORBENT GRANULAR MATERIAL**  
[54] **MATERIAU GRANULAIRE ABSORBANT ET PROCEDE ET APPAREIL DE FABRICATION**  
[72] Knapick, Edward G., US  
[72] Willemsen, Brent, US  
[72] Wolfer, Ernest P., US  
[73] Marcal Paper Mills, Inc., US  
[22] 1996-05-13  
[30] US (08/482,843) 1995-06-07  
[30] US (08/478,406) 1995-06-07

---

[11] **2,177,124**  
[13] C  
[51] **Int.Cl. 6B01D 53/85**  
[25] EN  
[54] **SYSTEM FOR PROCESSING GASES CONTAINING CARBON DIOXIDE**  
[54] **SYSTEME POUR LE TRAITEMENT DES GAZ RENFERMANT DU DIOXYDE DE CARBONE**  
[72] Lorenz, Thomas, DE  
[73] Lorenz, Thomas, DE  
[22] 1996-05-22  
[30] DE (195 22 429.9) 1995-06-21

**Brevets canadiens délivrés  
22 janvier 2002**

---

[11] **2,181,105**  
[13] C

[51] **Int.Cl. 6G01C 9/26 6G01C 9/28**  
[25] EN  
[54] **LINE LEVEL**  
[54] **NIVEAU DE FIL**  
[72] Dufour, Jean-Guy, CA  
[73] Johnson Level & Tool Mfg. Co., Inc., US  
[22] 1996-07-12  
[30] US (08/502,051) 1995-07-14

---

[11] **2,181,392**  
[13] C

[51] **Int.Cl. 6G09F 3/10**  
[25] EN  
[54] **A COMBINED FORM AND LABEL CONSTRUCTION**  
[54] **ETIQUETTES DE CONSTRUCTION MIXTE**  
[72] Michlin, Irving R., US  
[72] Neubauer, Frank H., US  
[72] Kiraly, Guy, US  
[73] Transkrit Corporation, US  
[22] 1996-07-17  
[30] US (08/531,292) 1995-09-20

---

[11] **2,182,107**  
[13] C

[51] **Int.Cl. 6B08B 15/02**  
[25] EN  
[54] **FUME HOOD WITH IMPROVED COUNTERBALANCE SYSTEM**  
[54] **HOTTE DOTEE D'UN CHASSIS A CONTREPOIDS AMELIORE**  
[72] Schlies, James J., US  
[73] Fisher Hamilton Scientific Inc., US  
[22] 1996-07-25  
[30] US (08/596,656) 1996-02-05

---

[11] **2,182,256**  
[13] C

[51] **Int.Cl. 6B01F 5/00 6B29B 7/74**  
[25] EN  
[54] **STATIC MIXER FOR VISCOUS FLUIDS**  
[54] **MELANGEUR STATIQUE POUR FLUIDES VISQUEUX**  
[72] Signer, Arno, CH  
[73] SULZER CHEMTECH AG, CH  
[22] 1996-07-29  
[30] EP (95810538.9) 1995-08-30

---

---

[11] **2,183,705**  
[13] C

[51] **Int.Cl. 6A23L 1/212 6A23L 2/02 6A23L 1/03 6A23L 1/226 6A23L 2/56**  
[25] EN  
[54] **METHOD FOR SUPPRESSING GRASSY SMELL AND ACID TASTE OF VEGETABLES AND FRUITS**  
[54] **METHODE POUR SUPPRIMER L'ODEUR D'HERBE ET LE GOUT D'ACIDE DES LEGUMES ET DES FRUITS**  
[72] Kohno, Hiroyuki, JP  
[72] Yoshimura, Hitomi, JP  
[72] Uraji, Tatsuya, JP  
[73] NIKKEN CHEMICALS CO., LTD., JP  
[22] 1996-08-20  
[30] JP (233182/1995) 1995-08-21  
[30] JP (196968/1996) 1996-07-09

---

[11] **2,184,388**  
[13] C

[51] **Int.Cl. 6A61M 25/00**  
[25] EN  
[54] **A CATHETER FOR INJECTING FLUID OR MEDICINE**  
[54] **CATHETER POUR L'INJECTION D'UN FLUIDE OU D'UN MEDICAMENT**  
[72] Hofling, Berthold, DE  
[73] Bavaria Medizin Technologie GmbH, DE  
[85] 1996-09-05  
[86] 1994-08-29 (PCT/EP1994/002850)  
[87] (WO1995/024235)  
[30] DE (P 44 08 108.1) 1994-03-10

---

[11] **2,184,884**  
[13] C

[51] **Int.Cl. 6F04D 25/12**  
[25] EN  
[54] **WINDOW FAN WITH OSCILLATING FAN ENCLOSURE**  
[54] **FENETRE DE VENTILATEUR AVEC CARTER OSCILLANT**  
[72] Marvin, Robert L., Jr., US  
[72] Chiu, Bernard, US  
[72] Wang, Jui-Shang, TW  
[73] HONEYWELL CONSUMER PRODUCTS, INC., US  
[22] 1996-09-05  
[30] US (08/539,139) 1995-10-04

---

---

[11] **2,185,137**  
[13] C

[51] **Int.Cl. 6C02F 3/10 6C02F 3/02 6C02F 3/30**  
[25] EN  
[54] **METHOD OF OPERATING A SEQUENCING BATCH REACTOR**  
[54] **METHODE D'EXPLOITATION D'UN REACTEUR DISCONTINU A SEQUENCEMENT**  
[72] Ho, Kin Man, HK  
[72] Greenfield, Paul F., AU  
[72] Subramaniam, Kanthav Anam, AU  
[72] Keller, Jurg, AU  
[73] CRC For Waste Management And Pollution Control Limited, AU  
[85] 1996-09-09  
[86] 1995-03-10 (PCT/AU1995/000118)  
[87] (WO1995/024361)  
[30] AU (PM 4355) 1994-03-11

---

[11] **2,185,749**  
[13] C

[51] **Int.Cl. 6E05B 73/00**  
[25] EN  
[54] **SECURITY ANCHOR FOR LAPTOP COMPUTER**  
[54] **FIXATION DE SECURITE POUR ORDINATEUR PORTATIF**  
[72] Perry, Robert C., US  
[73] Perry, Robert C., US  
[22] 1996-09-17  
[30] US (08/533,918) 1995-09-26

---

[11] **2,185,755**  
[13] C

[51] **Int.Cl. 6B08B 13/00 6B08B 3/00 6B08B 9/02**  
[25] EN  
[54] **A SUPPORT FOR A GARBAGE CHUTE CLEANING APPARATUS**  
[54] **SUPPORT POUR APPAREIL SERVANT A NETTOYER UNE CHUTE A DECHETS**  
[72] BATE, Douglas Edward, CA  
[73] SKYSCRAPER CLEANING SERVICES INC., CA  
[22] 1996-09-17

---

**Canadian Patents Issued  
January 22, 2002**

[11] **2,185,770**  
[13] C

[51] **Int.Cl. 6A47L 9/00**  
[25] EN  
[54] **DIRT CUP LATCHING  
ARRANGEMENT**  
[54] **VERROUILLAGE POUR VIDE-  
POUSSIÈRE**  
[72] Louis, Jeffrey S., US  
[73] Hoover Company (The), US  
[22] 1996-09-17  
[30] US (08/596,630) 1996-02-05

[11] **2,186,219**  
[13] C

[51] **Int.Cl. 6A47H 23/01**  
[25] EN  
[54] **MAGNETIC SEALING STRIPS FOR  
DRAPERIES AND LININGS**  
[54] **BANDES MAGNETIQUES DE  
FERMETURE POUR TENTURES ET  
DOUBLURES**  
[72] Clark, James T., US  
[73] ROCKLAND INDUSTRIES, INC., US  
[85] 1996-09-23  
[86] 1995-03-23 (PCT/US1995/003713)  
[87] (WO1995/025456)  
[30] US (08/216,265) 1994-03-23

[11] **2,187,325**  
[13] C

[51] **Int.Cl. 6B29C 41/06**  
[25] EN  
[54] **MULTIAXIS ROTATIONAL  
MOLDING METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE  
MOULAGE ROTATIF MULTIAXES**  
[72] PAYNE, LeRoy, US  
[73] PAYNE, LeRoy, US  
[85] 1996-10-07  
[86] 1995-05-18 (PCT/US1995/006212)  
[87] (WO1995/032852)  
[30] US (08/249,744) 1994-05-26  
[30] US (08/345,564) 1994-11-25

[11] **2,187,515**  
[13] C

[51] **Int.Cl. 6B01D 24/22 6B01D 24/38**  
[25] EN  
[54] **APPARATUS AND METHOD FOR  
IMPROVING GAS BACKWASH IN  
LATERAL UNDERDRAINS**  
[54] **APPAREIL ET PROCEDE POUR  
AMELIORER LE NETTOYAGE AU GAZ  
A CONTRE-COURANT DANS UN  
CONDUIT DE DRAINAGE LATERAL**  
[72] Brown, Marvin A., US  
[72] Bergmann, Eugen O., US  
[72] Hsieh, Richard, US  
[73] F. B. Leopold Company, Inc. (The), US  
[85] 1996-10-09  
[86] 1994-05-12 (PCT/US1994/005244)  
[87] (WO1995/027549)  
[30] US (226,811) 1994-04-12

[11] **2,187,805**  
[13] C

[51] **Int.Cl. 6F16C 1/22**  
[25] EN  
[54] **DEVICE FOR AUTOMATICALLY  
COMPENSATING THE LENGTH OF  
FLEXIBLE CABLE CONTROL MEANS,  
ESPECIALLY CABLE ADJUSTERS**  
[54] **DISPOSITIF DE COMPENSATION  
AUTOMATIQUE DE LA LONGUEUR  
D'ELEMENTS FLEXIBLES DE  
COMMANDE PAR CABLE, EN  
PARTICULIER DISPOSITIF DE  
REGLAGE DU CABLE**  
[72] Medebach, Thomas, DE  
[72] Marscholl, Klaus, DE  
[73] KUSTER & CO. GMBH, DE  
[85] 1996-10-11  
[86] 1996-02-13 (PCT/EP1996/000596)  
[87] (WO1996/025604)  
[30] DE (195 04 497.5) 1995-02-13

[11] **2,188,163**  
[13] C

[51] **Int.Cl. 6B32B 27/08 6B65D 65/40**  
[25] EN  
[54] **FILM HAVING ANHYDRIDE  
FUNCTIONALITY IN OUTER LAYER**  
[54] **FILM PRESENTANT UNE  
FONCTIONNALITE ANHYDRIDE  
DANS SA COUCHE EXTERIEURE**  
[72] Bauer, Frank T., US  
[72] Kennedy, Thomas D., US  
[72] Ramesh, Ram K., US  
[72] Satterwhite, Paul J., US  
[72] Watson, Richard K., US  
[72] Sczesny, John S., US  
[72] Sharps, G. Vincent, US  
[73] CRYOVAC, INC., US  
[85] 1996-10-17  
[86] 1995-04-18 (PCT/US1995/005038)  
[87] (WO1995/028281)  
[30] US (08/229,049) 1994-04-18

[11] **2,188,994**  
[13] C

[51] **Int.Cl. 6C02F 3/00 6C02F 3/10**  
[25] EN  
[54] **DEVICE FOR BIOLOGICAL  
WASTEWATER TREATMENT**  
[54] **DISPOSITIF DE TRAITEMENT  
BIOLOGIQUE DES EAUX USEES**  
[72] Tomita, Minoru, JP  
[72] Nakamura, Toshiyuki, JP  
[73] ORGANO CORPORATION, JP  
[22] 1996-10-28  
[30] JP (Hei 7-349294) 1995-12-20

[11] **2,190,564**  
[13] C

[51] **Int.Cl. 6A61K 38/16**  
[25] EN  
[54] **METHOD FOR TREATMENT OF  
SKIN LESIONS ASSOCIATED WITH  
CUTANEOUS CELL-PROLIFERATIVE  
DISORDERS**  
[54] **METHODE POUR TRAITER DES  
LESIONS DE LA PEAU ASSOCIEES A  
DES TROUBLES CUTANES DUS A LA  
PROLIFERATION CELLULAIRE**  
[72] Binder, William J., US  
[73] Binder, William J., US  
[22] 1996-11-18

**Brevets canadiens délivrés  
22 janvier 2002**

---

[11] **2,192,424**  
[13] C

[51] **Int.Cl. 6C07H 13/12 6A61K 47/48 6A61K 31/70 6C12N 9/96**  
[25] EN  
[54] **NOVEL PACLITAXEL PRODRUGS, METHOD FOR PREPARATION AS WELL AS THEIR USE IN SELECTIVE CHEMOTHERAPY**  
[54] **PROMEDICAMENTS A BASE DE PACLITAXEL; METHODE DE PREPARATION ET UTILISATION EN CHIMIOETHERAPIE SELECTIVE**  
[72] de Bont, Hendricus Barthelomeas  
Andreas, NL  
[72] Leenders, Ruben Gerardus George, NL  
[72] Haisma, Hidde Jacob, NL  
[72] Scheeren, Johan Wilhelm, NL  
[72] de Vos, Dick, NL  
[73] PHARMACHEMIE B.V., NL  
[22] 1996-12-09  
[30] EP (95203671.3) 1995-12-29

---

[11] **2,192,986**  
[13] C

[51] **Int.Cl. 6G02B 7/36 6G02B 21/26**  
[25] EN  
[54] **AUTOFOCUS SYSTEM FOR SCANNING MICROSCOPY**  
[54] **SYSTEME DE FOCALISATION AUTOMATIQUE POUR MICROSCOPIE A BALAYAGE**  
[72] Price, Jeffrey H., US  
[73] Q3DM, LLC, US  
[85] 1996-12-13  
[86] 1995-06-30 (PCT/US1995/008424)  
[87] (WO1996/001438)  
[30] US (08/270,017) 1994-07-01

---

[11] **2,194,772**  
[13] C

[51] **Int.Cl. 6A47J 39/00**  
[25] EN  
[54] **FOOD DISPENSING CYCLE AND MEANS**  
[54] **CYCLE ET SYSTEME POUR DISTRIBUER DES ALIMENTS**  
[72] Speranza, Angelo, GB  
[73] BURLODGE LIMITED, GB  
[85] 1997-01-09  
[86] 1996-05-08 (PCT/GB1996/001097)  
[87] (WO1996/035362)  
[30] GB (9509375.3) 1995-05-09

---

---

[11] **2,197,779**  
[13] C

[51] **Int.Cl. 6C08K 3/38 6C08K 9/00**  
[25] EN  
[54] **CALCIUM PYROBORATE AS A MICROBICIDE FOR PLASTICS**  
[54] **PYROBORATE DE CALCIUM, MICROBICIDE POUR MATIERES PLASTIQUES**  
[72] KOSKINIEMI, Mark S., US  
[73] Buckman Laboratories International, Inc., US  
[85] 1997-02-17  
[86] 1995-08-16 (PCT/US1995/010388)  
[87] (WO1996/006130)  
[30] US (08/293,217) 1994-08-19

---

[11] **2,198,043**  
[13] C

[51] **Int.Cl. 6H04J 1/02**  
[25] EN  
[54] **MODULAR CONTIGUOUS OUTPUT MULTIPLEXER**  
[54] **MULTIPLEXEUR MODULAIRE DE SORTIE A CANAUX ADJACENTS**  
[72] CALLAS, Michael C., US  
[73] THE BOEING COMPANY, US  
[22] 1997-02-20  
[30] US (08/608,163) 1996-02-28

---

[11] **2,198,233**  
[13] C

[51] **Int.Cl. 6A47C 29/00**  
[25] EN  
[54] **MODULAR SLEEPING BAG**  
[54] **SAC DE COUCHAGE MODULAIRE**  
[72] THIER, Howard F., US  
[73] THIER, Howard F., US  
[85] 1997-02-21  
[86] 1995-08-23 (PCT/US1995/010908)  
[87] (WO1996/005756)  
[30] US (08/294,549) 1994-08-23

---

[11] **2,199,796**  
[13] C

[51] **Int.Cl. 6H05K 1/14 6H05K 3/46**  
[25] EN  
[54] **AN ELECTRONIC-CIRCUIT ASSEMBLY AND ITS MANUFACTURING METHOD**  
[54] **CIRCUIT ELECTRONIQUE ET SA METHODE DE FABRICATION**  
[72] INOUE, Tatsuo, JP  
[73] NEC CORPORATION, JP  
[22] 1997-03-12  
[30] JP (55683/1996) 1996-03-13

---

---

[11] **2,200,166**  
[13] C

[51] **Int.Cl. 6C01B 33/037**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR REFINING SILICON**  
[54] **PROCEDE ET APPAREIL POUR RAFFINER LE SILICIUM**  
[72] ARATANI, Fukuo, JP  
[72] HANAZAWA, Kazuhiro, JP  
[72] ABE, Masamichi, JP  
[72] BABA, Hiroyuki, JP  
[72] NAKAMURA, Naomichi, JP  
[72] YUGE, Noriyoshi, JP  
[72] SAKAGUCHI, Yasuhiko, JP  
[72] KATO, Yoshiei, JP  
[73] KAWASAKI STEEL CORPORATION, JP  
[22] 1997-03-17  
[30] JP (063319/1996) 1996-03-19  
[30] JP (288220/1996) 1996-10-30  
[30] JP (347961/1996) 1996-12-26

---

[11] **2,200,309**  
[13] C

[51] **Int.Cl. 6A23G 3/00 6A23L 1/212**  
[25] EN  
[54] **FOOD ITEM FABRICATING APPARATUS AND METHODS**  
[54] **PROCEDES ET APPAREIL DE FABRICATION DE PRODUITS ALIMENTAIRES**  
[72] SMETHERS, Rene K., US  
[72] ZIMMERMANN, Craig E., US  
[72] BENHAM, Richard O., US  
[72] BRUNKEN, Sheryl S., US  
[72] DECHAINED, Robert C., US  
[72] GLUSZAK, Timothy J., US  
[73] GENERAL MILLS, INC., US  
[85] 1997-03-18  
[86] 1994-09-19 (PCT/US1994/010476)  
[87] (WO1996/008971)

---

[11] **2,200,928**  
[13] C

[51] **Int.Cl. 6G06F 17/20**  
[25] EN  
[54] **DOCUMENT COMPOSITION SUPPORTING METHOD AND SYSTEM, AND ELECTRONIC DICTIONARY FOR TERMINOLOGY**  
[54] **METHODE ET SYSTEME D'APPUI A LA COMPOSITION DE DOCUMENTS; DICTIONNAIRE ELECTRONIQUE POUR FINS DE TERMINOLOGIE**  
[72] Kaijima, Ryota, JP  
[73] Hitachi Business International, Ltd., JP  
[22] 1997-03-25  
[30] JP (08-071595) 1996-03-27

---



Canadian Patents Issued  
January 22, 2002

[11] 2,202,289  
[13] C

[51] Int.Cl. 6C22B 3/04 6C22B 19/00  
6C22B 3/08  
[25] EN  
[54] RECOVERY OF ZINC FROM  
SULPHIDIC CONCENTRATES  
[54] RECUPERATION DU ZINC DE  
CONCENTRES SULFURES  
[72] COLLINS, MICHAEL J., CA  
[72] KOFLUK, DONALD K., CA  
[73] DYNATEC CORPORATION, CA  
[85] 1997-04-09  
[86] 1995-11-07 (PCT/CA1995/000641)  
[87] (WO1996/014438)  
[30] GB (9422476.3) 1994-11-08

[11] 2,202,691  
[13] C

[51] Int.Cl. 6A23N 7/02  
[25] EN  
[54] VEGETABLE PEELING AND  
SHAPING MACHINE  
[54] MACHINE POUR PELER ET  
FORMER LES LEGUMES  
[72] MARTON, John Peter, CA  
[73] BLUE SAPPHIRE DESIGN INC., VG  
[22] 1997-04-15  
[30] US (08/660,251) 1996-06-07

[11] 2,202,865  
[13] C

[51] Int.Cl. 6B26F 1/02  
[25] EN  
[54] HOLE PUNCH WITH SLIDABLE  
SLIPPER AND ADJUSTABLE PUNCHES  
[54] PERFORATRICE A SEMELLE  
COULISSANTE ET POINCONS  
REGLABLES  
[72] EVANS, Alfred J., US  
[72] KANDASAMY, Balaji, US  
[73] ACCO BRANDS, INC., US  
[85] 1997-04-16  
[86] 1996-08-14 (PCT/US1996/013109)  
[87] (WO1997/006934)  
[30] US (516,022) 1995-08-17

[11] 2,203,362  
[13] C

[51] Int.Cl. 6A61N 5/00  
[25] EN  
[54] VASCULAR SYSTEM TREATING  
METHOD AND APPARATUS  
[54] PROCEDE ET APPAREIL DE  
TRAITEMENT DU SYSTEME  
VASCULAIRE  
[72] LARSEN, Charles E., US  
[72] MELOUL, Raphael F., US  
[72] CROCKER, Ian R., US  
[72] ROSEN, Jonathan J., US  
[72] HILLSTEAD, Richard A., US  
[72] WELDON, Thomas D., US  
[72] WAKSMAN, Ron, US  
[73] NOVOSTE CORPORATION, US  
[85] 1997-04-22  
[86] 1995-10-23 (PCT/US1995/013728)  
[87] (WO1996/013303)  
[30] US (08/330,327) 1994-10-27

[11] 2,203,397  
[13] C

[51] Int.Cl. 6C07C 15/44 6C07C 7/20  
6C07C 309/29 6C07C 303/42  
[25] EN  
[54] A METHOD FOR INHIBITING  
PREMATURE POLYMERIZATION OF  
VINYL AROMATIC MONOMERS  
[54] PROCEDE D'INHIBITION DE LA  
POLYMERISATION PREMATUREE DE  
MONOMERES AROMATIQUES DE  
VINYLE  
[72] WINTER, Roland Arthur Edwin, US  
[72] VON AHN, Volker Hartmut, US  
[73] NALCO/EXXON ENERGY  
CHEMICALS, L.P., US  
[85] 1997-04-22  
[86] 1995-11-16 (PCT/EP1995/004501)  
[87] (WO1996/016921)  
[30] US (08/345,097) 1994-11-28  
[30] US (08/383,279) 1995-02-03

[11] 2,204,159  
[13] C

[51] Int.Cl. 6A61F 13/00 6A61F 7/00  
[25] EN  
[54] WOUND TREATMENT DEVICE  
FOR ATTACHMENT TO SKIN  
[54] DISPOSITIF DE TRAITEMENT  
D'UNE PLAIE POUVANT ETRE COLLE  
SUR LA PEAU  
[72] ARNOLD, Randall, US  
[72] STAPP, Donald, US  
[72] HAMLIN, Greg, US  
[72] AUGUSTINE, Scott D., US  
[73] AUGUSTINE MEDICAL, INC., US  
[85] 1997-04-30  
[86] 1995-11-21 (PCT/US1995/015197)  
[87] (WO1996/015745)  
[30] US (08/342,741) 1994-11-21

[11] 2,204,679  
[13] C

[51] Int.Cl. 6H04B 1/40 6H04B 17/00  
6H04Q 7/32  
[25] EN  
[54] SELF-TESTING TRANSCEIVER  
[54] EMETTEUR-RECEPTEUR A  
AUTOVERIFICATION  
[72] KUMAR, Sanjay, US  
[73] AT&T CORP., US  
[22] 1997-05-07  
[30] US (693,685) 1996-08-12

[11] 2,204,866  
[13] C

[51] Int.Cl. 6G10L 9/00  
[25] EN  
[54] SIGNAL CONDITIONED  
MINIMUM ERROR RATE TRAINING  
FOR CONTINUOUS SPEECH  
RECOGNITION  
[54] APPRENTISSAGE A TAUX  
D'ERREUR MINIMAL PAR  
CONDITIONNEMENT DU SIGNAL  
APPLIQUE A LA RECONNAISSANCE  
VOCALE CONTINUE  
[72] RAHIM, Mazin G., US  
[72] CHOU, Wu, US  
[72] BUHRKE, Eric Rolfe, US  
[73] AT&T CORP., US  
[85] 1997-05-08  
[86] 1996-09-12 (PCT/US1996/014649)  
[87] (WO1997/010587)  
[30] US (528,821) 1995-09-15

**Brevets canadiens délivrés  
22 janvier 2002**

[11] **2,205,535**  
[13] C

[51] **Int.Cl. 6C07H 13/08**  
[25] EN  
[54] **SUCRALOSE PENTAESTER PRODUCTION**  
[54] **PRODUCTION DE PENTAESTER DE SUCRALOSE**  
[72] NAVIA, Juan L., US  
[72] WALKUP, Robert E., US  
[72] VERNON, Nicholas M., GB  
[72] WINGARD, Robert E., Jr., US  
[73] MCNEIL-PPC, INC., US  
[22] 1994-01-25  
[62] 2,114,180  
[30] US (08/030,518) 1993-03-12

[11] **2,208,055**  
[13] C

[51] **Int.Cl. 6G06K 9/00**  
[25] EN  
[54] **SYSTEM FOR VERIFYING USE OF A CREDIT/IDENTIFICATION CARD INCLUDING RECORDING OF PHYSICAL ATTRIBUTES OF UNAUTHORIZED USERS**  
[54] **SYSTEME DE VERIFICATION DE L'UTILISATION D'UNE CARTE DE CREDIT/D'IDENTITE, A ENREGISTREMENT DES ATTRIBUTS PHYSIQUES DES UTILISATEURS NON AUTORISES**  
[72] BOGOSIAN, Charles A., Jr., US  
[73] BOGOSIAN, Charles A., Jr., US  
[85] 1997-06-04  
[86] 1995-12-04 (PCT/US1995/015665)  
[87] (WO1996/018168)  
[30] US (349,688) 1994-12-05

[11] **2,209,188**  
[13] C

[51] **Int.Cl. 6A61K 33/30 6A61K 31/19 6A61K 7/40 6A61K 7/48 6A61K 31/60**  
[25] EN  
[54] **COMPOSITIONS FOR THE TREATMENT OF DERMATOLOGICAL DISORDERS AND METHODS FOR THEIR USE**  
[54] **COMPOSITIONS DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT D'AFFECTIONS DERMATOLOGIQUES ET LEURS PROCEDES D'UTILISATION**  
[72] SHAKNAI, Jonah, US  
[72] GANS, Eugene H., US  
[73] MEDICIS PHARMACEUTICAL CORPORATION, US  
[85] 1997-06-25  
[86] 1996-09-11 (PCT/US1996/014617)  
[87] (WO1997/015282)  
[30] US (08/549,374) 1995-10-27

[11] **2,209,859**  
[13] C

[51] **Int.Cl. 6C10M 169/04 6C10M 137/10 6C10M 135/18**  
[25] EN  
[54] **LUBRICATING OIL FOR INTERNAL COMBUSTION ENGINE**  
[54] **HUILE LUBRIFIANTE POUR MOTEUR A COMBUSTION INTERNE**  
[72] NAITOH, Yasushi, JP  
[72] HOSONUMA, Kunihiko, JP  
[72] MARUYAMA, Masaki, JP  
[73] Japan Energy Corporation, JP  
[85] 1997-07-08  
[86] 1996-11-13 (PCT/JP1996/003326)  
[87] (WO1997/018282)  
[30] JP (P07-317046) 1995-11-13

[11] **2,211,164**  
[13] C

[51] **Int.Cl. 6C08F 291/06 6C09D 151/00 6C08F 257/02**  
[25] FR  
[54] **LATEX COMPOSITES A TRES FINE GRANULOMETRIE - LEUR APPLICATION AUX PEINTURES SANS SOLVANTS**  
[54] **FINELY PARTICULATE COMPOSITE LATICES AND USE THEREOF IN SOLVENT-FREE PAINTS**  
[72] BETREMIEUX, Isabelle, FR  
[72] FERET, Bruno, FR  
[72] VERGE, Christophe, FR  
[73] ELF ATOCHEM S.A., FR  
[85] 1997-08-04  
[86] 1996-10-18 (PCT/FR1996/001633)  
[87] (WO1997/015604)  
[30] FR (95/12568) 1995-10-25  
[30] FR (96/08226) 1996-07-02

[11] **2,211,353**  
[13] C

[51] **Int.Cl. 6A61C 19/04 6A61C 3/00**  
[25] EN  
[54] **DENTAL PROBE FOR MEASURING AND EXPLORING THE DEPTH OF A BLIND POCKET FORMED AROUND A TOOTH**  
[54] **SONDE DENTAIRE POUR MESURER LA PROFONDEUR D'UNE POCHE BORGNE FORMEE AUTOUR D'UNE DENT, ET POUR L'EXPLORER**  
[72] TAKEUCHI, Hideyuki, JP  
[73] TAKEUCHI, Hideyuki, JP  
[22] 1997-07-24  
[30] JP (08-008180) 1996-07-25

[11] **2,211,636**  
[13] C

[51] **Int.Cl. 6G10L 9/08**  
[25] EN  
[54] **SPEECH RECOGNITION**  
[54] **RECONNAISSANCE DE LA PAROLE**  
[72] SIMONS, Alison Diane, GB  
[72] WHITTAKER, Steven John, GB  
[72] SCAHILL, Francis James, GB  
[73] BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, GB  
[85] 1997-07-28  
[86] 1996-03-07 (PCT/GB1996/000531)  
[87] (WO1996/027872)  
[30] EP (95301477.6) 1995-03-07

Canadian Patents Issued  
January 22, 2002

[11] 2,211,891  
[13] C

[51] Int.Cl. 6A47C 4/04  
[25] EN  
[54] BRAKING MEANS FOR A MOVABLE PART OF A FURNITURE COMPONENT, ESPECIALLY AN UPHOLSTERED FURNITURE COMPONENT

[54] MECANISME DE FREINAGE POUR PARTIE MOBILE D'UN ELEMENT DE MOBILIER, NOTAMMENT UN MEUBLE REMBOURRE

[72] MOLL, Reiner, DE  
[72] FEDDERKE, Helge, DE  
[72] HARTMANN, Christoph, DE  
[73] JUNGJOHANN, Thomas, DE  
[22] 1997-08-20  
[30] DE (196 34 807.2) 1996-08-29  
[30] DE (196 38 075.8) 1996-09-18

[11] 2,212,145  
[13] C

[51] Int.Cl. 6C08J 9/08 6C08G 18/18 6C08G 18/28  
[25] EN  
[54] A BLOWING AGENT CONTAINING CATALYST PRECURSOR FOR THE PREPARATION OF A POLYOL COMPOSITION HAVING GOOD FLOW AND A RIGID POLYURETHANE FOAM MADE THEREBY HAVING GOOD DIMENSIONAL STABILITY

[54] AGENT GONFLANT CONTENANT UN PRECURSEUR DE CATALYSEUR POUR LA PREPARATION D'UNE COMPOSITION POLYOLIQUE AYANT DE BONNES CARACTERISTIQUES D'ECOULEMENT ET MOUSSE DE POLYURETHANE RIGIDE AINSI FABRIQUEE AYANT UNE BONNE STABILITE DIMENSIONNELLE

[72] LEE, Thomas B., US  
[72] CHRISTMAN, Donald L., US  
[72] REICHEL, Curtis J., US  
[72] FISHBACK, Thomas L., US  
[73] BASF CORPORATION, US  
[22] 1994-09-21  
[62] 2,132,597  
[30] US (08/125,464) 1993-09-22

[11] 2,212,494  
[13] C

[51] Int.Cl. 6H04Q 7/08  
[25] EN  
[54] SYSTEM AND METHOD FOR TRANSMITTING PAGING MESSAGE  
[54] SYSTEME ET METHODE DE TRANSMISSION DE MESSAGES DE TELEAPPEL

[72] KONDO, Seiji, JP  
[72] ISHIGA, Hiroshi, JP  
[73] NEC CORPORATION, JP  
[22] 1997-08-07  
[30] JP (8-209547) 1996-08-08

[11] 2,212,658  
[13] C

[51] Int.Cl. 6G10L 3/00  
[25] EN  
[54] VOICE ACTIVITY DETECTION USING ECHO RETURN LOSS TO ADAPT THE DETECTION THRESHOLD

[54] DETECTION D'UNE ACTIVITE VOCALE UTILISANT L'AFFAIBLISSEMENT DE L'ECHO POUR ADAPTER LE SEUIL DE DETECTION

[72] BRIDGES, James Anthony, GB  
[73] BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, GB  
[85] 1997-08-05  
[86] 1996-02-15 (PCT/GB1996/000344)  
[87] (WO1996/025733)  
[30] EP (95300975.0) 1995-02-15

[11] 2,212,866  
[13] C

[51] Int.Cl. 6C09J 133/06 6A61F 13/02 6C09J 7/04  
[25] EN  
[54] PROCESS FOR PREPARING SOLVENT-TYPE ACRYLIC PRESSURE-SENSITIVE ADHESIVES AND MEDICAL PRESSURE-SENSITIVE ADHESIVE

[54] PROCEDE DE PREPARATION D'ADHESIFS ACRYLIQUES DU GENRE SOLVANT, SENSIBLES A LA PRESSION, ET ADHESIF MEDICAL SENSIBLE A LA PRESSION

[72] MATSUMOTO, Mitsue, JP  
[72] NAKACHI, Takeshi, JP  
[72] SHINJO, Takashi, JP  
[72] TSUBOTA, Kenji, JP  
[72] OKA, Takayuki, JP  
[72] NAGANO, Motoi, JP  
[73] Sekisui Kagaku Kogyo Kabushiki Kaisha, JP  
[85] 1997-08-13  
[86] 1996-03-26 (PCT/JP1996/000790)  
[87] (WO1996/030416)  
[30] JP (75973/1995) 1995-03-31  
[30] JP (75975/1995) 1995-03-31  
[30] JP (75983/1995) 1995-03-31  
[30] JP (243078/1995) 1995-09-21  
[30] JP (283240/1995) 1995-10-31

[11] 2,213,470  
[13] C

[51] Int.Cl. 6H04B 1/74 6H04M 3/08 6H04L 29/14

[25] EN  
[54] CHANNEL AND DATA LINK AUTOMATIC RESTORATION  
[54] RESTAURATION AUTOMATIQUE DE VOIES ET DE LIASONS DE DONNEES

[72] NORTH, Sandra S., US  
[72] THIELER, Stephen M., US  
[72] BALES, Bruce M., US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1997-08-20  
[30] US (722,716) 1996-09-30

**Brevets canadiens délivrés  
22 janvier 2002**

[11] **2,213,517**  
[13] C

[51] **Int.Cl. 6A61K 7/48**  
[25] EN  
[54] **SKIN CARE COMPOSITION**  
**CONTAINING CHELATORS FOR IRON,**  
**COPPER OR MANGANESE FOR**  
**PEAU**  
[72] JONASSE, Matthew S., US  
[72] EPSTEIN, Howard, US  
[73] THE ANDREW JERGENS  
COMPANY, US  
[85] 1997-08-21  
[86] 1996-02-16 (PCT/US1996/002104)  
[87] (WO1996/025917)  
[30] US (08/391,866) 1995-02-22

[11] **2,213,633**  
[13] C

[51] **Int.Cl. 6D06L 3/02 6C11D 3/39**  
[25] EN  
[54] **LAUNDRY PRETREATMENT**  
**WITH PEROXIDE BLEACHES**  
**CONTAINING CHELATORS FOR IRON,**  
**COPPER OR MANGANESE FOR**  
**REDUCED FABRIC DAMAGE**  
[54] **PRETRAITEMENT DU LINGE**  
**AVEC DES CHELATEURS**  
**CONTENANT UN AGENT DE**  
**BLANCHIMENT PEROXYDE POUR LE**  
**FER, LE CUIVRE OU LE MANGANESE,**  
**POUR DIMINUER LA**  
**DETERIORATION DU TISSU**  
[72] STODDART, Barry, GB  
[72] RAPISARDA, Dario, IT  
[72] YOUSAF, Taher Iqbal, GB  
[72] TRANI, Marina, IT  
[72] PARK, John Scott, GB  
[72] DEL DUCA, Valerio, IT  
[73] THE PROCTER & GAMBLE  
COMPANY, US  
[85] 1997-08-22  
[86] 1996-02-20 (PCT/US1996/002219)  
[87] (WO1996/026999)  
[30] EP (95870018.9) 1995-02-28

[11] **2,213,909**  
[13] C

[51] **Int.Cl. 6G10L 9/04 6G10L 9/14**  
[25] EN  
[54] **HIGH QUALITY SPEECH CODER**  
**AT LOW BIT RATES**  
[54] **CODEUR DE PAROLES HAUTE**  
**QUALITE UTILISANT DE FAIBLES**  
**DEBITS BINAIRES**  
[72] OZAWA, Kazunori, JP  
[73] NEC CORPORATION, JP  
[22] 1997-08-25  
[30] JP (261121/1996) 1996-08-26  
[30] JP (307143/1996) 1996-10-31

[11] **2,213,974**  
[13] C

[51] **Int.Cl. 6G01N 21/75 6G01N 30/00**  
**6G01N 30/74**  
[25] EN  
[54] **CHLORINE SPECIFIC GAS**  
**CHROMATOGRAPHIC DETECTOR**  
[54] **DETECTEUR POUR**  
**CHROMATOGRAPHE EN PHASE**  
**GAZEUSE, SPECIFIQUE DU CHLORE**  
[72] WENTWORTH, Wayne E., US  
[72] STEARNS, Stanley D., US  
[73] VALCO INSTRUMENTS CO., INC.,  
US  
[22] 1997-08-25

[11] **2,213,975**  
[13] C

[51] **Int.Cl. 6G01N 27/70 6G01N 30/00**  
**6G01N 30/70**  
[25] EN  
[54] **IMPROVED SYSTEM FOR**  
**DETECTING COMPOUNDS IN A**  
**GASEOUS SAMPLE USING INDUCED**  
**PHOTOIONIZATION FOR ELECTRON**  
**CAPTURE DETECTION**  
[54] **SYSTEME AMELIORE DE**  
**DETECTION DES COMPOSES DANS**  
**UN ECHANTILLON GAZEUX**  
**UTILISANT UNE PHOTO-IONISATION**  
**POUR LA DETECTION A CAPTURE**  
**ELECTRONIQUE**  
[72] STEARNS, Stanley D., US  
[72] CAI, Huamin, US  
[72] WENTWORTH, Wayne E., US  
[73] VALCO INSTRUMENTS CO., INC.,  
US  
[22] 1997-08-25

[11] **2,214,694**  
[13] C

[51] **Int.Cl. 6F16G 11/14 6B65D 63/10**  
**6F16L 3/137**  
[25] EN  
[54] **IMPROVED BARBED CABLE TIE**  
[54] **ATTACHE A BARBELE**  
**AMELIOREE POUR CABLES**  
[72] WELLS, Peter, US  
[72] FORTSCH, William A., US  
[73] THOMAS & BETTS LIMITED, CA  
[85] 1997-09-05  
[86] 1996-04-09 (PCT/CA1996/000213)  
[87] (WO1996/031720)  
[30] US (08 / 418,339) 1995-04-07

[11] **2,214,800**  
[13] C

[51] **Int.Cl. 6A61M 1/36**  
[25] EN  
[54] **FLOW ELECTROPORATION**  
**CHAMBER AND METHOD**  
[54] **CHAMBRE**  
**D'ELECTROPORATION EN FLUX ET**  
**PROCEDE ASSOCIE**  
[72] MESEROL, Peter M., US  
[72] ACKER, Jesse L., US  
[72] PRODELL, Rita C., US  
[73] THERAMED, INC., US  
[85] 1997-09-08  
[86] 1996-03-11 (PCT/US1996/003211)  
[87] (WO1996/028199)  
[30] US (08/402,145) 1995-03-10  
[30] US (60/004,906) 1995-10-06

[11] **2,214,872**  
[13] C

[51] **Int.Cl. 6C07D 333/54 6C07D 409/12**  
**6A61K 31/38 6A61K 31/40 6A61K 31/445**  
**6A61K 31/535 6A61K 31/55**  
[25] EN  
[54] **BENZOTHIOPHENE**  
**COMPOUNDS, COMPOSITIONS AND**  
**METHODS**  
[54] **COMPOSES A BASE DE**  
**BENZOTHIOPHENE, COMPOSITIONS**  
**ET METHODES**  
[72] MUEHL, Brian Stephen, US  
[72] CULLINAN, George Joseph, US  
[73] ELI LILLY AND COMPANY, US  
[22] 1997-09-08  
[30] US (60/029,050) 1996-10-24

[11] **2,215,331**  
[13] C

[51] **Int.Cl. 6A61M 15/00 6A61M 5/24**  
[25] EN  
[54] **ULTRASONIC ATOMIZER**  
**DEVICE WITH REMOVABLE**  
**PRECISION DOSATING UNIT**  
[54] **ATOMISEUR A ULTRASONS**  
**POURVU D'UNE UNITE DE DOSAGE**  
**PRECIS AMOVIBLE**  
[72] RUTTEL, Martin, DE  
[72] HAACK, Olaf, DE  
[72] VAN DER LINDEN, Klaus, DE  
[73] SIEMENS AKTIENGESSELLSCHAFT,  
DE  
[85] 1997-09-12  
[86] 1996-03-14 (PCT/EP1996/001095)  
[87] (WO1996/028206)  
[30] DE (195 09 194.9) 1995-03-14

Canadian Patents Issued  
January 22, 2002

[11] 2,215,766  
[13] C

[51] Int.Cl. 6G06F 3/12  
[25] EN  
[54] **DISTRIBUTED PRINTING SYSTEM**  
[54] **SYSTEME DE DISTRIBUTION**  
**D'IMPRESSION**  
[72] GRAHAM, Steven A., US  
[72] ROURKE, John L., US  
[73] XEROX CORPORATION, US  
[22] 1997-09-18  
[30] US (60/028,631) 1996-10-18  
[30] US (08/876,419) 1997-06-16

[11] 2,216,560  
[13] C

[51] Int.Cl. 6A23L 1/0534 6A23C 19/09  
6A23L 1/27 6A23L 1/308 6A61K 47/38  
[25] EN  
[54] **NEW CELLULOSIC MATERIALS**  
**FOR INCORPORATION INTO FOOD**  
**PRODUCTS AND METHODS OF**  
**MAKING SAME**  
[54] **NOUVELLES MATIERES**  
**CELLULOSIQUES DESTINEES A ETRE**  
**INCORPOREES A DES PRODUITS**  
**ALIMENTAIRES ET PROCEDES**  
**PREVUS A CET EFFET**  
[72] SHERWOOD, Bob E., US  
[72] VIRTANEN, Jouko Johannes, US  
[73] EDWARD MENDELL CO., INC., US  
[85] 1997-09-26  
[86] 1996-03-25 (PCT/US1996/003861)  
[87] (WO1996/031126)  
[30] US (08/419,633) 1995-04-06

[11] 2,216,795  
[13] C

[51] Int.Cl. 6G06F 13/14  
[25] EN  
[54] **SERVER-TO-CACHE PROTOCOL**  
**FOR IMPROVED WEB**  
**PERFORMANCE**  
[54] **PROTOCOLE SERVEUR-**  
**ANTEMEMOIRE AMELIORANT LA**  
**PERFORMANCE WEB**  
[72] DESIMONE, Antonio, US  
[72] SIBAL, Sandeep, US  
[73] AT&T CORP., US  
[22] 1997-09-24  
[30] US (733,486) 1996-10-18

[11] 2,217,555  
[13] C

[51] Int.Cl. 6G06F 3/12  
[25] EN  
[54] **CLUSTERED HALFTONE DOT**  
**DESIGN PROCESS**  
[54] **PROCESSUS DE GROUPEMENT DE**  
**POINTS DEMI-TEINTE**  
[72] WANG, Shen-ge, US  
[73] .  
[73] XEROX CORPORATION, US  
[22] 1997-10-07  
[30] US (08/749,306) 1996-11-14

[11] 2,217,764  
[13] C

[51] Int.Cl. 6G07D 7/00 6G07B 11/00  
[25] EN  
[54] **METHOD AND APPARATUS FOR**  
**GENERATING PERSONAL**  
**IDENTIFICATION NUMBERS FOR USE**  
**IN CONSUMER PROMOTIONS**  
[54] **PROCEDE ET APPAREIL DE**  
**GENERATION DE NUMEROS**  
**D'IDENTIFICATION PERSONNELS**  
**DESTINES A ETRE UTILISES POUR**  
**ATTRIBUER DES PROMOTIONS A DES**  
**CONSUMMATEURS**  
[72] BEACH, Kirk W., US  
[72] MERCER, George E., US  
[73] CATALINA MARKETING  
INTERNATIONAL, INC., US  
[85] 1997-10-08  
[86] 1997-02-14 (PCT/US1997/001716)  
[87] (WO1997/030409)  
[30] US (60/011,708) 1996-02-15  
[30] US (08/663,680) 1996-06-14

[11] 2,218,914  
[13] C

[51] Int.Cl. 6A23G 3/30  
[25] EN  
[54] **METHOD FOR MANUFACTURING**  
**CHEWING GUM**  
[54] **PROCEDE DE FABRICATION DE**  
**CHEWING-GUM**  
[72] CHAPDELAIN, Albert H., US  
[72] BERNATZ, Kevin J., US  
[73] Wm. Wrigley Jr. Company, US  
[85] 1997-10-22  
[86] 1996-04-22 (PCT/US1996/005605)  
[87] (WO1996/033623)  
[30] US (08/427,002) 1995-04-24

[11] 2,218,991  
[13] C

[51] Int.Cl. 6A61K 7/032  
[25] EN  
[54] **MASCARA COMPOSITIONS**  
**COMPRISING WATER-INSOLUBLE**  
**POLYMERIC MATERIAL AND**  
**WATER-SOLUBLE, FILM-FORMING**  
**POLYMERS**  
[54] **COMPOSITIONS DE MASCARA**  
**COMPRENANT UN MATERIAU**  
**POLYMERE INSOLUBLE DANS L'EAU**  
**ET DES POLYMERES FILMOGENES**  
**SOLUBLES DANS L'EAU**  
[72] SMITH, Edward Dewey III, US  
[72] ALWATTARI, Ali Abdelaziz, US  
[73] THE PROCTER & GAMBLE  
COMPANY, US  
[85] 1997-10-22  
[86] 1996-03-27 (PCT/US1996/004154)  
[87] (WO1996/033690)  
[30] US (08/431,343) 1995-04-28

[11] 2,219,336  
[13] C

[51] Int.Cl. 6H02J 5/00  
[25] EN  
[54] **SYSTEM FOR SIGNALLING**  
**POWER UNBALANCE BETWEEN**  
**ELECTRIC POWER STATIONS**  
[54] **SYSTEME DE SIGNALEMENT DE**  
**DESEQUILIBRE DE COURANT ENTRE**  
**DES CENTRALES D'ENERGIE**  
**ELECTRIQUE**  
[72] SVENSSON, Kjell, SE  
[72] PALSSON, Rolf, SE  
[73] ABB AB, SE  
[22] 1997-11-13  
[30] SE (9701058-1) 1997-03-24

**Brevets canadiens délivrés  
22 janvier 2002**

[11] **2,219,472**  
[13] C

[51] **Int.Cl. 6B29C 45/16**  
[25] EN  
[54] **MULTILAYER INJECTION MOLDING MACHINE, INJECTION UNIT CONNECTING DEVICE THEREFOR, AND INJECTION MOLDING METHOD THEREBY**  
[54] **MACHINE DE MOULAGE PAR INJECTION MULTICOUCHE, DISPOSITIF DE CONNEXION D'UNITES D'INJECTION ET METHODE DE MOULAGE PAR INJECTION**  
[72] NAGAOKA, Tsutomu, JP  
[72] SATO, Shoji, JP  
[73] KABUSHIKI KAISHA KOBE SEIKO SHO, JP  
[22] 1997-10-28  
[30] JP (8-304071) 1996-10-29  
[30] JP (8-327625) 1996-11-21

[11] **2,220,349**  
[13] C

[51] **Int.Cl. 6G01R 33/30 6H05H 6/00 6B01L 3/00 6G01R 33/42**  
[25] EN  
[54] **COATINGS FOR PRODUCTION OF HYPERPOLARIZED NOBLE GASES**  
[54] **REVETEMENTS DESTINEES A LA PRODUCTION DE GAZ RARES HYPERPOLARISES**  
[72] CATES, Gordon D., Jr., US  
[72] HAPPER, William, US  
[72] DRIEHUYS, Bastiaan, US  
[73] THE TRUSTEES OF PRINCETON UNIVERSITY, US  
[85] 1997-11-06  
[86] 1996-06-07 (PCT/US1996/009402)  
[87] (WO1996/039912)  
[30] US (08/478,276) 1995-06-07

[11] **2,222,115**  
[13] C

[51] **Int.Cl. 6F03B 3/12 6F03D 9/00 6B63H 13/00 6F03D 1/02 6F03D 1/04 6F03B 13/12**  
[25] EN  
[54] **HELICAL TURBINE FOR POWER AND PROPULSION SYSTEMS**  
[54] **TURBINE HELICOIDALE POUR LA PRODUCTION DE COURANT ET POUR LA PROPULSION**  
[72] GORLOV, Alexander M., US  
[73] Northeastern University, US  
[85] 1997-11-24  
[86] 1996-03-29 (PCT/US1996/004340)  
[87] (WO1996/038667)  
[30] US (08/452,824) 1995-05-30

[11] \* **2,223,173**  
[13] C

[51] **Int.Cl. 6A47C 7/54 6B60N 2/46**  
[25] EN  
[54] **ADJUSTABLE ARM REST ASSEMBLY**  
[54] **ENSEMBLE ACCOUDOIR REGLABLE**  
[72] SCHUELKE, David, US  
[72] BRANDT, Douglas, US  
[72] KURRASCH, Andrew, US  
[73] HERMAN MILLER, INC., US  
[85] 1997-12-02  
[86] 1996-06-03 (PCT/US1996/008417)  
[87] (WO1996/040537)  
[30] US (08/484,780) 1995-06-07

[11] **2,224,290**  
[13] C

[51] **Int.Cl. 6C23C 10/50**  
[25] EN  
[54] **PART OR JIG FOR GAS CARBURIZING FURNACE**  
[54] **PIECE OU MONTAGE POUR FOUR DE CEMENTATION GAZEUSE**  
[72] OISHI, Tatsuya, JP  
[72] UMENO, Kenji, JP  
[73] SHINTO KOGYO KABUSHIKI KAISHA, JP  
[22] 1997-12-09  
[30] JP (344690-1996) 1996-12-09

[11] **2,225,203**  
[13] C

[51] **Int.Cl. 6H04Q 7/32 6H04B 7/015 6H04M 1/19 6H04M 1/60**  
[25] EN  
[54] **HANDS-FREE TELEPHONE**  
[54] **TELEPHONE MAINS-LIBRES**  
[72] SHIRAKI, Koichi, JP  
[73] MITSUBISHI DENKI KABUSHIKI KAISHA, JP  
[22] 1997-12-18  
[30] JP (9-127459) 1997-05-16

[11] **2,226,066**  
[13] C

[51] **Int.Cl. 6E06B 7/08**  
[25] EN  
[54] **PLASTIC LOUVER BODY AND END CAP ASSEMBLY**  
[54] **PERSIENNE ET GARNITURE DE BOUT EN PLASTIQUE**  
[72] GABRIELE, ANGELO, CA  
[73] Vinylbilt Shutters Systems Inc., CA  
[22] 1997-12-30

[11] **2,226,117**  
[13] C

[51] **Int.Cl. 6B63G 8/24 6B63G 8/42**  
[25] EN  
[54] **SUBMERSIBLE UNIT AND DIVING POSITION CONTROL METHOD THEREFOR**  
[54] **CORPS IMMERGE ET PROCEDE SERVANT A COMMANDER SA POSITION D'IMMERSION**  
[72] TAKAHASHI, Yoshiaki, JP  
[72] O-OI, Tadashi, JP  
[73] ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO., LTD., JP  
[85] 1998-01-05  
[86] 1996-12-19 (PCT/JP1996/003697)  
[87] (WO1997/042075)  
[30] JP (8/112855) 1996-05-07

[11] **2,226,888**  
[13] C

[51] **Int.Cl. 6B41J 15/00 6B41J 11/70**  
[25] EN  
[54] **DEVICE FOR POSITIONALLY EXACT PRINTING OF CONTINUOUS SHEETING**  
[54] **DISPOSITIF POUR L'IMPRESSIION EN POSITION EXACTE D'UNE FEUILLE CONTINUE**  
[72] MATHEA, Hans, DE  
[73] CSAT GESELLSCHAFT FUR COMPUTER-SYSTEME UND AUTOMATIONS-TECHNIK MIT BESCH RANKTER HAFTUNG, DE  
[85] 1998-01-14  
[86] 1996-07-15 (PCT/DE1996/001323)  
[87] (WO1997/003837)  
[30] DE (195 25 713.8) 1995-07-15

[11] **2,228,279**  
[13] C

[51] **Int.Cl. 6G02B 1/10 6G02B 3/00**  
[25] EN  
[54] **INFRARED-TRANSPARENT STRUCTURE INCLUDING AN ADHERENT, INFRARED-TRANSPARENT POLYMER LAYER**  
[54] **STRUCTURE TRANSPARENTE AUX INFRAROUGES INCLUANT UN ADHESIF, COUCHE POLYMERE TRANSPARENTE AUX INFRAROUGES**  
[72] MYERS, James R., US  
[72] SMITH, David R., US  
[72] WESTHOVEN, Lawrence A., US  
[72] DEGNAN, William J., III, US  
[73] RAYTHEON COMPANY, US  
[85] 1998-01-29  
[86] 1997-07-25 (PCT/US1997/013159)  
[87] (WO1998/004935)  
[30] US (08/690,409) 1996-07-25

Canadian Patents Issued  
January 22, 2002

[11] 2,228,469  
[13] C

[51] Int.Cl. 6E04H 15/48  
[25] EN  
[54] FOLDABLE TENT FRAME FOR COUPLING TENT CLOTH WITH TENT FRAME IN INTEGRAL FORM  
[54] TENTE A OSSATURE REPLIABLE INTEGREE A LA TOILE  
[72] JU, Dong Soo, KR  
[73] BAEJIN CORPORATION, KR  
[22] 1998-01-30  
[30] KR (UTILITY MODEL 97-1946) 1997-02-11

[11] 2,229,025  
[13] C

[51] Int.Cl. 6G06K 9/36  
[25] EN  
[54] INCORPORATING INVARIANCES BY PREPROCESSING FOR KERNEL-BASED METHODS  
[54] INTEGRATION D'INVARIANTS PAR PREPROCESSEUR POUR METHODES A BASE DE NOYAU  
[72] BURGESS, Christopher John, US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1998-02-09  
[30] US (08/825,287) 1997-03-27

[11] 2,231,136  
[13] C

[51] Int.Cl. 6A61F 13/15  
[25] EN  
[54] METHOD FOR MAKING A CAPILLARY LAMINATE MATERIAL  
[54] PROCEDE DE FABRICATION DE STRATIFIES A CAPILLARITE  
[72] LANGDON, Frederick Michael, JP  
[72] HYDE, Gregory Barnes, US  
[72] BURCHNALL, John Billings, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1998-03-04  
[86] 1996-09-06 (PCT/US1996/014280)  
[87] (WO1997/009021)  
[30] US (08/518,149) 1995-09-07

[11] 2,228,585  
[13] C

[51] Int.Cl. 6A23F 5/04 6A23F 5/12  
[25] EN  
[54] FAST ROASTED COFFEE PROVIDING INCREASED BREW STRENGTH AND DARKER CUP COLOR WITH DESIRABLE BREW ACIDITY  
[54] CAFE A TORREFACTION RAPIDE, DONNANT UNE BOISSON PLUS FORTE ET PLUS FONCEE, AYANT L'ACIDITE DESIRABLE  
[72] KIRKPATRICK, Steven Jacob, US  
[72] GUTWEIN, Roger William, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1998-02-04  
[86] 1996-08-09 (PCT/US1996/012941)  
[87] (WO1997/006694)  
[30] US (08/515,554) 1995-08-16

[11] 2,230,019  
[13] C

[51] Int.Cl. 6B01J 20/34 6B01D 53/96  
[25] EN  
[54] A METHOD FOR REACTIVATING SORBENT TO ENABLE THE REUSE THEREOF  
[54] PROCEDE DE REACTIVATION D'UN AGENT DE SORPTION PERMETTANT SA REUTILISATION  
[72] CHIU, John H., US  
[73] ABB RESEARCH LTD., CH  
[85] 1998-02-19  
[86] 1996-07-29 (PCT/IB1996/000930)  
[87] (WO1997/006889)  
[30] US (08/517,486) 1995-08-21

[11] 2,231,309  
[13] C

[51] Int.Cl. 6A61H 33/00 6A61H 37/00  
[25] EN  
[54] NECK MASSAGER FOR USE IN SPAS  
[54] MASSEUR POUR LE COU A UTILISER DANS LES CUVES THERMALES  
[72] ELNAR, JOSEPH G., US  
[73] ELNAR, JOSEPH G., US  
[22] 1998-03-05  
[30] US (08/841,919) 1997-04-08  
[30] US (08/911,041) 1997-08-14

[11] 2,228,794  
[13] C

[51] Int.Cl. 6F16B 21/08 6E05D 5/10  
[25] EN  
[54] SNAP STUD ASSEMBLY  
[54] ELEMENT DE FIXATION PAR PRESSION  
[72] BRIGGS, Jeffrey M., US  
[73] ALLEN-STEVENSON CORP., US  
[22] 1998-02-04  
[30] US (08/802,550) 1997-02-18

[11] 2,230,070  
[13] C

[51] Int.Cl. 6A61F 13/15  
[25] EN  
[54] ELASTICATED INCONTINENCE PRODUCT WITH IMPROVED FLUID HANDLING CAPACITY  
[54] ARTICLE ELASTIQUE POUR INCONTINENCE AVEC MEILLEURE CAPACITE D'ABSORPTION DES LIQUIDES  
[72] PALUMBO, Gianfranco, DE  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1998-02-20  
[86] 1996-08-20 (PCT/US1996/013449)  
[87] (WO1997/007763)  
[30] IT (TO95A000697) 1995-08-23

[11] 2,231,888  
[13] C

[51] Int.Cl. 6H05H 1/54  
[25] EN  
[54] PLASMA ACCELERATOR WITH CLOSED ELECTRON DRIFT AND CONDUCTIVE INSERTS  
[54] ACCELERATEUR A PLASMA A DIFFUSION D'ELECTRONS FERMEE COMPRENANT DES INSERTS CONDUCTEURS  
[72] KOZLOV, Vyacheslav I., RU  
[72] KIM, Vladimir, RU  
[72] ARKHIPOV, Boris A., RU  
[72] EGOROV, Vitaly V., RU  
[72] MASLENNIKOV, Nicolay A., RU  
[72] KHARTOV, Sergei A., RU  
[73] INTERNATIONAL SPACE TECHNOLOGY, INC., US  
[22] 1998-03-12  
[30] US (08/862,640) 1997-05-23

**Brevets canadiens délivrés  
22 janvier 2002**

---

[11] **2,231,941**  
[13] C

[51] **Int.Cl. 6H02G 3/18**  
[25] EN  
[54] **ELECTRICAL OUTLET BOX AND REMOVABLE CLAMP THEREFOR**  
[54] **BOITE DE SORTIE ELECTRIQUE ET SERRE-CABLE AMOVIBLE CONNEXE**  
[72] SWINEY, Michael A., US  
[72] LEEP, Oral F., US  
[72] BAUER, Claude J., US  
[72] WRIGHT, Ronald Dean, US  
[73] THOMAS & BETTS INTERNATIONAL, INC., US  
[22] 1998-03-12  
[30] US (816,444) 1997-03-12

---

[11] **2,232,055**  
[13] C

[51] **Int.Cl. 6H04M 3/50 6H04M 11/06**  
[25] EN  
[54] **WEB PAGE SYNCHRONIZATION SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE DE SYNCHRONISATION DE "PAGE WEB"**  
[72] JOLISSAINT, Charles H., US  
[72] MCRAE, Xuan, US  
[73] EDIFY CORPORATION, US  
[85] 1998-03-13  
[86] 1996-09-11 (PCT/US1996/014714)  
[87] (WO1997/012448)  
[30] US (08/529,166) 1995-09-15

---

[11] **2,232,405**  
[13] C

[51] **Int.Cl. 6F25J 3/04**  
[25] EN  
[54] **CRYOGENIC RECTIFICATION SYSTEM FOR PRODUCING HIGH PRESSURE NITROGEN AND HIGH PRESSURE OXYGEN**  
[54] **SYSTEME DE RECTIFICATION CRYOGENIQUE POUR LA PRODUCTION D'AZOTE A HAUTE PRESSION ET D'OXYGENE A HAUTE PRESSION**  
[72] BONAQUIST, Dante Patrick, US  
[73] PRAXAIR TECHNOLOGY, INC., US  
[22] 1998-03-17  
[30] US (08/820,789) 1997-03-19

---

---

[11] **2,232,504**  
[13] C

[51] **Int.Cl. 6A61F 13/15**  
[25] EN  
[54] **ABSORBENT ARTICLE HAVING BREATHABLE SIDE PANELS**  
[54] **ARTICLE ABSORBANT DOTE DE PANNEAUX LATERAUX RESPIRANTS**  
[72] WEIRICH, David Michael, US  
[72] DAVIS, Karen Marie, US  
[72] DOBRIN, George Christopher, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1998-03-16  
[86] 1996-09-12 (PCT/US1996/014595)  
[87] (WO1997/010788)  
[30] US (08/530,036) 1995-09-19

---

[11] **2,232,531**  
[13] C

[51] **Int.Cl. 6A61F 13/15 6A61F 13/42**  
[25] EN  
[54] **ABSORBENT ARTICLE WITH CLEAN APPEARANCE AND CAPACITY SIGNAL MEANS**  
[54] **ARTICLE ABSORBANT D'APPARENCE PROPRE ET A INDICATEUR DE SATURATION**  
[72] MARTIN, Alvin Doyle Jr., US  
[72] HAMMONS, John Lee, US  
[72] HENNESSY, Shannon Julia, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1998-03-19  
[86] 1996-09-13 (PCT/US1996/014859)  
[87] (WO1997/010789)  
[30] US (08/531,533) 1995-09-21

---

[11] **2,232,796**  
[13] C

[51] **Int.Cl. 6H01L 21/02**  
[25] EN  
[54] **THIN FILM FORMING PROCESS**  
[54] **PROCEDE DE FORMATION D'UNE COUCHE MINCE**  
[72] OHMI, Kazuaki, JP  
[72] IWANE, Masaaki, JP  
[72] YONEHARA, Takao, JP  
[73] CANON KABUSHIKI KAISHA, JP  
[22] 1998-03-20  
[30] JP (9-073770) 1997-03-26

---

---

[11] **2,232,819**  
[13] C

[51] **Int.Cl. 6A61G 11/00**  
[25] EN  
[54] **PATIENT THERMAL SUPPORT DEVICE**  
[54] **APPAREIL DE SUPPORT THERMIQUE POUR PATIENT**  
[72] GOLDBERG, Charles, US  
[72] NEWKIRK, David C., US  
[72] GUTWILLIG, Alan, US  
[72] OLSON, William, US  
[72] MOLL, Robert G., US  
[72] DONNELLY, Michael M., US  
[73] HILL-ROM, INC., US  
[85] 1998-03-23  
[86] 1996-09-24 (PCT/US1996/015265)  
[87] (WO1997/011664)  
[30] US (08/532,963) 1995-09-25

---

[11] **2,232,939**  
[13] C

[51] **Int.Cl. 6A61G 11/00**  
[25] EN  
[54] **CONTROLLER FOR A PATIENT WARMING DEVICE**  
[54] **APPAREIL DE COMMANDE D'UN DISPOSITIF DE RECHAUFFEMENT POUR MALADES**  
[72] GUTWILLIG, Alan, US  
[72] DONNELLY, Michael M., US  
[72] MOLL, Robert G., US  
[73] HILL-ROM, INC., US  
[85] 1998-03-24  
[86] 1996-09-24 (PCT/US1996/015261)  
[87] (WO1997/011663)  
[30] US (08/533,371) 1995-09-25

---

[11] **2,233,442**  
[13] C

[51] **Int.Cl. 6B61G 9/20**  
[25] EN  
[54] **LIGHT WEIGHT DRAFT SILL**  
[54] **APPAREIL DE TRACTION DE POIDS LEGER**  
[72] COMPTON, Douglas L., US  
[72] KAUFHOLD, Horst T., US  
[72] TOUSSAINT, Brian A., US  
[72] BUTLER, Ronald G., Jr., US  
[73] AMSTED INDUSTRIES INCORPORATED, US  
[22] 1998-04-28  
[30] US (08/885,643) 1997-06-30

---



Canadian Patents Issued  
January 22, 2002

[11] 2,233,527  
[13] C

[51] Int.Cl. 6H03K 6/02  
[25] EN  
[54] PULSE AMPLIFIER WITH LOW-DUTY CYCLE ERRORS  
[54] AMPLIFICATEUR D'IMPULSIONS A FAIBLE TAUX D'ERREURS DE CYCLE DE TRAVAIL  
[72] ANDERSSON, Bengt-Olov, SE  
[73] MITEL SEMICONDUCTOR AB, SE  
[22] 1998-03-30

[11] 2,236,152  
[13] C

[51] Int.Cl. 6B32B 15/01  
[25] EN  
[54] ARTICLE HAVING A DECORATIVE AND PROTECTIVE COATING  
[54] ARTICLE COMPORTANT UN REVETEMENT DECORATIF ET PROTECTEUR  
[72] TRENDELMAN, Carl W., US  
[72] WELTY, Richard P., US  
[72] PETERSEN, John H., US  
[72] JONTE, Patrick, US  
[73] MASCO CORPORATION, US  
[22] 1998-04-29  
[30] US (08/846,987) 1997-04-30

[11] 2,236,153  
[13] C

[51] Int.Cl. 6B32B 15/01  
[25] EN  
[54] COATED ARTICLE  
[54] ARTICLE REVETU  
[72] TRENDELMAN, Carl W., US  
[72] JONTE, Patrick, US  
[72] WELTY, Richard P., US  
[72] PETERSEN, John H., US  
[73] MASCO CORPORATION, US  
[22] 1998-04-29  
[30] US (08/846,301) 1997-04-30

[11] 2,236,184  
[13] C

[51] Int.Cl. 6H04L 29/02 6H04M 1/53 6H04Q 3/545  
[25] EN  
[54] NETWORK-BASED DETERMINATION OF COST-EFFECTIVE ACCESS  
[54] SELECTION D'UNE METHODE D'ACCES PEU ONEREUSE PAR L'INTERMEDIARE DU RESEAU  
[72] GILBOY, Christopher P., US  
[72] BAUER, Thomas M., US  
[73] AT&T CORP., US  
[22] 1998-04-28  
[30] US (08/874,120) 1997-06-12

[11] 2,236,416  
[13] C

[51] Int.Cl. 6A61H 13/00 6A46B 15/00  
[25] EN  
[54] GUM-MASSAGING ORAL BRUSH  
[54] BROSE BUCCALE POUR MASSAGE DES GENCVES  
[72] TSENG, Mingchih M., US  
[72] WITKUS, Stephen C., US  
[72] SWEENEY, Philip J., US  
[72] ROBERTS, Michael F., US  
[72] PARK, Edward Hosung, US  
[72] MASTERMAN, T. Craig, US  
[73] GILLETTE CANADA INC., CA  
[85] 1998-05-01  
[86] 1996-11-08 (PCT/US1996/018004)  
[87] (WO1997/016995)  
[30] US (554,931) 1995-11-09  
[30] US (730,286) 1996-10-30

[11] 2,237,044  
[13] C

[51] Int.Cl. 6F25J 3/04  
[25] EN  
[54] CRYOGENIC AIR SEPARATION WITH WARM TURBINE RECYCLE  
[54] SEPARATION D'AIR CRYOGENIQUE AVEC RECYCLAGE A LA CHALEUR PAR TURBINE  
[72] HOWARD, Henry Edward, US  
[73] PRAXAIR TECHNOLOGY, INC., US  
[22] 1998-05-06  
[30] US (08/848,410) 1997-05-08

[11] 2,237,505  
[13] C

[51] Int.Cl. 6H01L 27/14 6H04N 3/15  
[25] EN  
[54] MOS IMAGE SENSOR  
[54] CAPTEUR D'IMAGES A DISPOSITIFS MOS  
[72] LOINAZ, Marc J., US  
[72] INGLIS, David Andrew, US  
[72] ACKLAND, Bryan David, US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1998-05-13  
[30] US (08/879,926) 1997-06-20

[11] 2,237,597  
[13] C

[51] Int.Cl. 6H04B 1/04 6H04Q 7/22 6H04B 1/76  
[25] EN  
[54] METHOD AND APPARATUS FOR MAINTAINING CHANNEL PRIORITY IN A MULTIPLE WIRELESS COMMUNICATION SYSTEM ENVIRONMENT  
[54] PROCEDE ET APPAREIL PERMETTANT DE MAINTENIR UNE PRIORITE DE CANAL DANS UN ENVIRONNEMENT DE PLUSIEURS SYSTEMES DE COMMUNICATION SANS FIL  
[72] RAFFEL, Michael Allen, US  
[73] AT&T WIRELESS SERVICES, INC., US  
[85] 1998-02-18  
[86] 1997-06-11 (PCT/US1997/010044)  
[87] (WO1998/001001)  
[30] US (08/672,898) 1996-06-28

[11] 2,237,608  
[13] C

[51] Int.Cl. 6A01D 34/82 6A01D 34/64  
[25] EN  
[54] PIVOTING MOWER DECK MECHANISM  
[54] MECANISME POUR CHASSIS PIVOTANT D'UNE TONDEUSE A GAZON  
[72] FERREE, Philip Eugene, US  
[72] DAVIS, Robert Dean, Jr., US  
[73] DEERE & COMPANY, US  
[22] 1998-06-11  
[30] US (08/895,281) 1997-07-16

**Brevets canadiens délivrés  
22 janvier 2002**

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[11] **2,237,694**  
[13] C

[51] **Int.Cl. 6C11D 1/83 6C11D 17/08  
6C11D 3/43 6C11D 1/94**  
[25] EN  
[54] **LIQUID DISHWASHING  
DETERGENT**  
[54] **DETERGENT LIQUIDE POUR  
LAVER LA VAISSELLE**  
[72] BRUMBAUGH, Ernest H., US  
[73] AMWAY CORPORATION, US  
[85] 1998-05-14  
[86] 1996-11-12 (PCT/US1996/018286)  
[87] (WO1997/018284)  
[30] US (08/559,552) 1995-11-16

---

[11] **2,237,971**  
[13] C

[51] **Int.Cl. 6C07D 401/14 6C07D 487/04  
6C07D 405/14 6C07D 409/14 6A61K 31/  
445**  
[25] EN  
[54] **SUBSTITUTED 4-(1H-  
BENZIMIDAZOL-2-YL-  
AMINO)PIPERIDINES USEFUL FOR  
THE TREATMENT OF ALLERGIC  
DISEASES**  
[54] **NOUVELLES (1H-  
BENZIMIDAZOL-2-YL-  
AMINO)PIPERIDINES A  
SUBSTITUTION EN POSITION 4  
UTILES POUR LE TRAITEMENT DE  
MALADIES ALLERGIQUES**  
[72] SANTIAGO, Braulio, US  
[72] KUDLACZ, Elizabeth M., US  
[72] KANE, John D., US  
[72] DALTON, Christopher R., US  
[72] BURKHOLDER, Timothy P., US  
[72] MAYNARD, George D., US  
[72] BRATTON, Larry D., US  
[73] AVENTIS PHARMACEUTICALS  
INC., US  
[85] 1998-05-15  
[86] 1996-11-07 (PCT/US1996/018001)  
[87] (WO1997/019074)  
[30] US (08/560,419) 1995-11-17  
[30] US (08/734,508) 1996-10-17

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[11] **2,238,620**  
[13] C

[51] **Int.Cl. 6C11D 1/37 6D06B 1/00  
6C11D 3/43 6C11D 1/83**  
[25] EN  
[54] **COMPOSITION FOR TREATING  
STAINS ON LAUNDRY ITEMS AND  
METHOD OF TREATMENT**  
[54] **COMPOSITION POUR TRAITER  
DES TACHES SUR DES TEXTILES A  
LAVER ET PROCEDE DE  
TRAITEMENT**  
[72] TCHEOU, Eric, BE  
[72] VEGA, Jose Luis, BE  
[73] THE PROCTER & GAMBLE  
COMPANY, US  
[85] 1998-05-25  
[86] 1996-09-16 (PCT/US1996/014766)  
[87] (WO1997/020094)  
[30] EP (95118617.0) 1995-11-27

---

[11] **2,238,853**  
[13] C

[51] **Int.Cl. 6B60N 2/48**  
[25] EN  
[54] **HEADREST FOR AUTOMOTIVE  
SEAT**  
[54] **APPUIE-TETE POUR SIEGE  
D'AUTOMOBILE**  
[72] TAKEI, Yoshiyuki, JP  
[73] TACHI-S CO., LTD., JP  
[22] 1998-05-28

---

[11] **2,238,899**  
[13] C

[51] **Int.Cl. 6H02G 1/14**  
[25] EN  
[54] **CONDUIT COMPRESSION  
FIXTURE**  
[54] **FIXATION DE COMPRESSION DE  
CONDUIT**  
[72] MAGERA, Darin P., US  
[72] CHUMLEY, Maxie G., US  
[72] WELDIN, Larry G., US  
[73] WESTINGHOUSE AIR BRAKE  
COMPANY, US  
[22] 1998-05-28  
[30] US (056,925) 1998-04-08

---

[11] **2,238,919**  
[13] C

[51] **Int.Cl. 6F25J 3/02**  
[25] EN  
[54] **CRYOGENIC RECTIFICATION  
SYSTEM FOR PRODUCING MULTI-  
PURITY OXYGEN**  
[54] **SYSTEME DE RECTIFICATION  
CRYOGENIQUE POUR LA  
PRODUCTION D'OXYGENE DE  
PURETE VARIABLE**  
[72] BILLINGHAM, John Fredric, US  
[72] LOCKETT, Michael James, US  
[72] BONAQUIST, Dante Patrick, US  
[73] PRAXAIR TECHNOLOGY, INC., US  
[22] 1998-05-28  
[30] US (08/866,263) 1997-05-30

---

[11] **2,239,284**  
[13] C

[51] **Int.Cl. 6B60Q 1/26**  
[25] EN  
[54] **LIGHT BAR**  
[54] **RAMPE DE SIGNALISATION**  
[72] URBANSKI, Sigmund S., US  
[72] STANUCH, Edward S., US  
[72] WEGER, Donald E., US  
[72] STANUCH, Edward J., US  
[73] FEDERAL SIGNAL CORPORATION,  
US  
[85] 1998-06-02  
[86] 1997-03-26 (PCT/US1997/004894)  
[87] (WO1998/018652)  
[30] US (08/738,065) 1996-10-25

---

[11] **2,240,939**  
[13] C

[51] **Int.Cl. 6B65D 83/06 6B65D 5/54  
6B65D 5/56 6B65D 5/72**  
[25] EN  
[54] **PARTICULATE DISPENSING  
SYSTEM**  
[54] **SYSTEME DE DISTRIBUTION DE  
MATIERE PARTICULAIRE**  
[72] HAMMERBECK, Warren L., US  
[72] ROGERS, Kerry D., US  
[72] HOYT, Joanne M., US  
[72] BEARDMORE, Richard A., US  
[73] PLATTE CHEMICAL COMPANY, US  
[85] 1998-06-19  
[86] 1996-12-10 (PCT/US1996/019436)  
[87] (WO1997/023392)  
[30] US (08/577,381) 1995-12-22

Canadian Patents Issued  
January 22, 2002

---

[11] **2,240,977**  
[13] C  
[51] **Int.Cl. 6B60D 1/52 6B60D 1/06**  
[25] EN  
[54] **REMOVABLE TRAILER HITCH BALL**  
[54] **BOULE D'ATTACHE AMOVIBLE POUR DISPOSITIF D'ATTELAGE**  
[72] BELINKY, Jacob S., US  
[73] DRAW-TITE, INC., US  
[22] 1998-06-18  
[30] US (60/050,041) 1997-06-18

---

[11] **2,243,156**  
[13] C  
[51] **Int.Cl. 6A21B 5/00 6A21B 2/00**  
[25] EN  
[54] **METHOD OF MANUFACTURING MOLDED BAKED SNACKS**  
[54] **PROCEDE POUR FABRIQUER DES GATEAUX CUITS AU FOUR MOULES**  
[72] HARUTA, Toshitaka, JP  
[72] ANDO, Sadamasa, JP  
[72] KARASAWA, Taizo, JP  
[72] OZASA, Akio, JP  
[72] KURISAKA, Takayuki, JP  
[72] TANAKA, Shinji, JP  
[72] OOWADA, Tsutomu, JP  
[73] NISSEI KABUSHIKI KAISHA, JP  
[85] 1998-07-15  
[86] 1997-11-14 (PCT/JP1997/004167)  
[87] (WO1998/021969)  
[30] JP (8-311118) 1996-11-21  
[30] JP (9-309046) 1997-11-11

---

[11] **2,243,450**  
[13] C  
[51] **Int.Cl. 6H04L 7/033 6H04L 12/24**  
[25] EN  
[54] **PROVIDING TIMING TO AN EXTERNAL SYSTEM**  
[54] **SYNCHRONISATION AVEC UN SYSTEME EXTERNE**  
[72] BORTOLINI, James R., US  
[72] MIMMI, Stefano, US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1998-07-16  
[30] US (08/921,676) 1997-08-29

---

---

[11] **2,243,724**  
[13] C  
[51] **Int.Cl. 6G06F 17/30 6G06F 17/00**  
[25] EN  
[54] **A GEOGRAPHICAL INFORMATION SEARCH SYSTEM**  
[54] **SYSTEME DE RECHERCHE D'INFORMATION GEOGRAPHIQUE**  
[72] RUTLEDGE, Charles Wayne, US  
[72] WHITAKER, Norman Ashton Jr., US  
[73] AT&T CORP., US  
[22] 1998-07-21  
[30] US (08/901,249) 1997-07-28

---

[11] **2,243,732**  
[13] C  
[51] **Int.Cl. 6B60G 17/04 6B60G 11/26**  
[25] EN  
[54] **AXLE PIVOTING CONTROLLER AND HYDRAULIC CYLINDER FOR INDUSTRIAL VEHICLES**  
[54] **REGULATEUR D'OSCILLATION D'UN ESSIEU ET CYLINDRE HYDRAULIQUE POUR VEHICULES INDUSTRIELS**  
[72] HYODO, Masaya, JP  
[72] CHINO, Kenji, JP  
[72] MUTO, Takayuki, JP  
[72] SHIOYA, Teruyuki, JP  
[73] KABUSHIKI KAISHA TOYODA JIDOSHOKKI SEISAKUSHO, JP  
[22] 1998-07-22  
[30] JP (9-197205) 1997-07-23

---

[11] **2,244,574**  
[13] C  
[51] **Int.Cl. 6G06T 7/00 6G06K 9/62**  
[25] EN  
[54] **CEPSTRAL METHOD AND SYSTEM FOR DETECTING/CLASSIFYING OBJECTS**  
[54] **SYSTEME ET METHODE CEPSTRAUX POUR LA DETECTION ET LA CLASSIFICATION D'OBJETS**  
[72] PETTY, Joe V., US  
[73] LOCKHEED MARTIN CORPORATION, US  
[22] 1998-08-07  
[30] US (09/075,100) 1998-05-08

---

---

[11] **2,244,720**  
[13] C  
[51] **Int.Cl. 6H03F 3/45 6H03F 3/345**  
[25] EN  
[54] **CHARGE SENSITIVE AMPLIFIER WITH HIGH COMMON MODE SIGNAL REJECTION**  
[54] **AMPLIFICATEUR REAGISSANT A LA CHARGE ET CAPABLE D'UN TAUX ELEVE D'ELIMINATION DU SIGNAL EN MODE COMMUN**  
[72] COLBETH, Richard E., US  
[72] MALLINSON, Martin, CA  
[72] ALLEN, Max J., US  
[73] VARIAN MEDICAL SYSTEMS, INC., US  
[85] 1998-07-28  
[86] 1997-11-13 (PCT/US1997/020872)  
[87] (WO1998/024176)  
[30] US (08/758,538) 1996-11-29

---

[11] **2,244,957**  
[13] C  
[51] **Int.Cl. 6A61N 5/06 6A61M 25/04**  
[25] EN  
[54] **FLEXIBLE MICROCIRCUITS FOR INTERNAL LIGHT THERAPY**  
[54] **MICROCIRCUITS FLEXIBLES POUR PHOTOTHERAPIES INTERNES**  
[72] WISCOMBE, Brent, US  
[72] CHEN, James C., US  
[73] LIGHT SCIENCES CORPORATION, US  
[85] 1998-07-30  
[86] 1997-02-14 (PCT/US1997/002459)  
[87] (WO1997/032520)  
[30] US (08/613,390) 1996-03-07  
[30] US (08/633,171) 1996-04-16

---

[11] **2,245,377**  
[13] C  
[51] **Int.Cl. 6H01R 13/648 6H01R 13/658**  
[25] EN  
[54] **ELECTRICAL CONNECTOR HAVING TIME-DELAYED SIGNAL COMPENSATION**  
[54] **CONNECTEUR ELECTRIQUE AVEC COMPENSATION DE SIGNAL A RETARD DE TEMPS**  
[72] PHARNEY, Julian Robert, US  
[72] MOFFITT, Bryan Scott, US  
[72] ADRIAENSSENS, Luc Walter, US  
[72] HASHIM, Amid Ihsan, US  
[72] LARSEN, Wayne David, US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1998-08-18  
[30] US (08/923,741) 1997-09-02

---

**Brevets canadiens délivrés  
22 janvier 2002**

---

[11] **2,246,034**  
[13] C

[51] **Int.Cl. 6H01P 5/08**  
[25] EN  
[54] **COUPLING MECHANISM FOR TE011 AND TE01.DELTA. MODE RESONATORS**  
[54] **MECANISME DE COUPLAGE POUR RESONATEURS A MODES TE011 ET TE01**  
[72] TATOMIR, Paul J., US  
[72] LOI, Keith N., US  
[73] THE BOEING COMPANY, US  
[22] 1998-08-27  
[30] US (924,450) 1997-08-28

---

[11] **2,246,570**  
[13] C

[51] **Int.Cl. 6H04J 14/02**  
[25] EN  
[54] **OPTICAL DEMULTIPLEXING/MULTIPLEXING DEVICE HAVING A WAVELENGTH DEPENDENT ELEMENT**  
[54] **DISPOSITIF DE DEMULTIPLEXAGE/MULTIPLEXAGE OPTIQUE COMPORTANT UN ELEMENT RELIE A LA LONGUEUR D'ONDE**  
[72] LUNDGREN, Kent R., CA  
[72] COLBOURNE, PAUL, CA  
[73] JDS FITEL INC., CA  
[22] 1998-09-03  
[30] US (08/924,656) 1997-09-05  
[30] US (08/977,396) 1997-11-24

---

[11] **2,246,771**  
[13] C

[51] **Int.Cl. 6B29C 45/16 6B29C 45/18**  
[25] EN  
[54] **HOT RUNNER SYSTEM FOR COINJECTION MOLDING**  
[54] **SYSTEME DE CANAL CHAUFFE POUR PROCEDE DE MOULAGE PAR CO-INJECTION**  
[72] MOSS, Mark D., US  
[72] LEE, Christopher W., US  
[73] DYNISCO HOT RUNNERS, INC., US  
[22] 1998-09-01  
[30] US (08/922,208) 1997-09-02

---

---

[11] **2,246,797**  
[13] C

[51] **Int.Cl. 6H01R 13/11**  
[25] EN  
[54] **ELECTRICAL CONNECTOR ASSEMBLY HAVING HIGH CURRENT-CARRYING CAPABILITY AND LOW INSERTION FORCE**  
[54] **CONNECTEUR ELECTRIQUE HAUTE INTENSITE A FAIBLE EFFORT D'EMBOITEMENT**  
[72] TRAFTON, Michael L., US  
[73] THOMAS & BETTS INTERNATIONAL, INC., US  
[22] 1998-08-27  
[30] US (60/057,214) 1997-08-29  
[30] US (09/137,360) 1998-08-20

---

[11] **2,247,213**  
[13] C

[51] **Int.Cl. 6H04N 5/91 6G11B 23/28 6H04N 5/92**  
[25] EN  
[54] **RECORDING/REPRODUCING METHOD AND APPARATUS, PROCESSING APPARATUS, AND RECORDING MEDIUM FOR VIDEO SIGNAL HAVING COPY CONTROL INFORMATION**  
[54] **METHODE ET APPAREIL D'ENREGISTREMENT ET DE REPRODUCTION, APPAREIL DE TRAITEMENT ET SUPPORT D'ENREGISTREMENT DE SIGNAUX VIDEO CONTENANT DES INFORMATIONS DE CONTROLE D'OPERATIONS DECOPIE**  
[72] KIMURA, Hiroyuki, JP  
[72] ARAI, Takao, JP  
[72] TAKEUCHI, Toshifumi, JP  
[73] HITACHI, LTD., JP  
[22] 1998-09-15  
[30] JP (9-251664) 1997-09-17

---

[11] **2,248,147**  
[13] C

[51] **Int.Cl. 6E04C 3/29**  
[25] EN  
[54] **COMPOSITE STRUCTURAL MEMBER**  
[54] **ELEMENT STRUCTUREL COMPOSITE**  
[72] MENCHETTI, Robert J., US  
[73] NATIONAL GYPSUM PROPERTIES, LLC, US  
[85] 1998-09-02  
[86] 1997-03-03 (PCT/US1997/003277)  
[87] (WO1997/033056)  
[30] US (08/610,308) 1996-03-04

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[11] **2,248,311**  
[13] C

[51] **Int.Cl. 6H01P 1/20 6H01P 1/203**  
[25] EN  
[54] **APPARATUS FOR BLOCKING A D.C. COMPONENT OF A SIGNAL**  
[54] **DISPOSITIF DE BLOCAGE D'UNE COMPOSANTE COURANT CONTINU D'UN SIGNAL**  
[72] SEYMOUR, Colin, GB  
[72] COUCH, Nigel, GB  
[73] CENTRAL RESEARCH LABORATORIES LIMITED, GB  
[85] 1998-09-04  
[86] 1997-03-03 (PCT/GB1997/000573)  
[87] (WO1997/033335)  
[30] GB (9604731.1) 1996-03-06

---

[11] **2,248,409**  
[13] C

[51] **Int.Cl. 6G06F 17/30 6G06F 19/00 6G06F 17/40**  
[25] EN  
[54] **GEO-ENABLED PERSONAL INFORMATION MANAGER**  
[54] **GESTIONNAIRE PERSONNEL CONCU POUR FOURNIR DES RENSEIGNEMENTS GEOGRAPHIQUES**  
[72] TRAPP, Richard James, US  
[72] ROOME, William D., US  
[72] GEHANI, Narain H., US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1998-09-24  
[30] US (08/949,074) 1997-10-10

---

[11] **2,248,420**  
[13] C

[51] **Int.Cl. 6G01S 13/90 6G01S 7/295 6G01S 7/41**  
[25] EN  
[54] **IMPROVED METHOD FOR PHASE UNWRAPPING IN IMAGING SYSTEMS**  
[54] **PROCEDE AMELIORE POUR LE DEROULEMENT DE PHASE DANS LES SYSTEMES D'IMAGERIE**  
[72] GLASS, Carter M., US  
[73] LOCKHEED MARTIN CORPORATION A MARYLAND CORPORATION, US  
[22] 1998-09-25  
[30] US (09/112,049) 1998-07-08

---

Canadian Patents Issued  
January 22, 2002

[11] 2,248,911  
[13] C

[51] Int.Cl. 6G06F 17/30 6G06F 7/00  
[25] EN  
[54] SYSTEM AND METHOD FOR  
LOCATING RESOURCES ON A  
NETWORK USING RESOURCE  
EVALUATIONS DERIVED FROM  
ELECTRONIC MESSAGES  
[54] SYSTEME ET PROCEDE POUR  
LOCALISER DES RESSOURCES SUR  
UN RESEAU A L'AIDE  
D'EVALUATIONS DE RESSOURCES  
DERIVEES DE MESSAGES  
ELECTRONIQUES  
[72] HILL, William Coyler, US  
[72] TERVEEN, Loren Gilbert, US  
[73] AT&T CORP., US  
[85] 1998-09-15  
[86] 1997-03-14 (PCT/US1997/004080)  
[87] (WO1997/034221)  
[30] US (60/013,518) 1996-03-15

[11] 2,250,430  
[13] C

[51] Int.Cl. 6H04B 7/185 6H04B 7/216  
[25] EN  
[54] METHOD AND SYSTEM FOR  
REDUCING INTERBEAM  
INTERFERENCE AND MULTIPATH  
FADING IN BENT-PIPE SATELLITE  
COMMUNICATIONS SYSTEMS  
[54] METHODE ET SYSTEME POUR  
REDUIRE LE BROUILLAGE  
INTERFAISCEAUX ET  
L'EVANOUISSEMENT DU A LA  
PROPAGATION PAR TRAJETS  
MULTIPLES DANS LES SYSTEMES DE  
COMMUNICATIONS PAR SATELLITE  
A GUIDE D'ONDES COUDE  
[72] SHERMAN, Matthew J., US  
[73] AT&T CORP., US  
[22] 1998-10-13  
[30] US (08/953,600) 1997-10-17

[11] 2,251,185  
[13] C

[51] Int.Cl. 6B23K 26/00 6G01B 11/02  
[25] EN  
[54] METHOD AND APPARATUS FOR  
MONITORING LASER WELD  
QUALITY VIA PLASMA SIZE  
MEASUREMENTS  
[54] METHODE ET APPAREIL POUR  
CONTROLLER LA QUALITE DU  
SOUDAGE AU LASER PAR LA MESURE  
DE LA TAILLE DU PLASMA  
[72] SHIRK, Bryan W., US  
[72] SHIH, Christopher C., US  
[72] CHOU, Mau-Song, US  
[73] TRW INC., US  
[22] 1998-10-22  
[30] US (08/956,881) 1997-10-23

[11] 2,251,970  
[13] C

[51] Int.Cl. 6D06F 33/02 6D06F 58/20  
6A47L 15/46  
[25] EN  
[54] APPLIANCE TIMER HAVING A  
MASKABLE DOUBLE THROW SUB-  
INTERVAL MECHANISM  
[54] APPAREIL MENAGER POURVU  
D'UN MECANISME MASQUABLE DE  
COMMUTATEUR SOUS-INTERVALLE  
A DEUX DIRECTIONS  
[72] AMONETT, Daniel K., US  
[72] WORLEY, Lloyd C., US  
[73] EMERSON ELECTRIC CO., US  
[22] 1998-11-19  
[30] US (08/978,081) 1997-11-25

[11] 2,252,980  
[13] C

[51] Int.Cl. 6C30B 29/36  
[25] EN  
[54] SINGLE CRYSTAL SIC AND A  
METHOD OF PRODUCING THE SAME  
[54] SIC A CRISTAL UNIQUE ET  
METHODE DE PRODUCTION DE  
CELUI-CI  
[72] HIRAMOTO, Masanobu, JP  
[72] TANINO, Kichiya, JP  
[73] NIPPON PILLAR PACKING CO.,  
LTD., JP  
[22] 1998-11-06  
[30] JP (9-315126) 1997-11-17

[11] 2,253,102  
[13] C

[51] Int.Cl. 6H04L 9/28 6G11B 23/00  
[25] EN  
[54] METHOD OF AND SYSTEM FOR  
PROCESSING ELECTRONIC  
DOCUMENT AND RECORDING  
MEDIUM FOR RECORDING  
PROCESSING PROGRAM  
[54] METHODE ET SYSTEME DE  
TRAITEMENT DE DOCUMENT  
ELECTRONIQUE ET SUPPORT  
D'ENREGISTREMENT DE  
PROGRAMME DE TRAITEMENT  
[72] ODAJIMA, Takashi, JP  
[72] TOMINAGA, Masasuke, JP  
[72] KOBAYASHI, Rie, JP  
[72] KONDO, Kaori, JP  
[72] MASUISHI, Tetsuya, JP  
[73] HITACHI, LTD., JP  
[22] 1998-11-09  
[30] JP (09-313779) 1997-11-14

[11] 2,253,136  
[13] C

[51] Int.Cl. 6C30B 29/36  
[25] EN  
[54] SINGLE CRYSTAL SIC AND A  
METHOD OF PRODUCING THE SAME  
[54] SIC A CRISTAL UNIQUE ET  
METHODE DE PRODUCTION  
[72] HIRAMOTO, Masanobu, JP  
[72] TANINO, Kichiya, JP  
[73] NIPPON PILLAR PACKING CO.,  
LTD., JP  
[22] 1998-11-06  
[30] JP (9-315127) 1997-11-17

[11] 2,254,440  
[13] C

[51] Int.Cl. 6C09D 11/02 6B41M 3/06  
6B41J 3/30  
[25] EN  
[54] FLUORESCENT VALVE JET INK  
[54] ENCRE FLUORESCENTE POUR  
JET A SOUPE  
[72] BERNARD, Richard A., US  
[72] HOCHWALT, Norman C., US  
[72] JACKSON, Jerome E., US  
[72] AUSLANDER, Judith, US  
[73] PITNEY BOWES INC., US  
[22] 1998-11-24  
[30] US (986,527) 1997-12-08

**Brevets canadiens délivrés  
22 janvier 2002**

---

[11] **2,254,700**  
[13] C

[51] **Int.Cl. 6C23C 2/00 6B23K 26/00 6C23C 4/10 6F16C 33/12**  
[25] EN  
[54] **LASER CLAD POT ROLL SLEEVES FOR GALVANIZING BATHS**  
[54] **REVETEMENT RESISTANT POUR EMPLOI DANS UN BAIN DE METAL FONDU AU LASER**  
[72] FUKUBAYASHI, Harold Haruhisa, US  
[73] PRAXAIR S.T. TECHNOLOGY, INC., US  
[22] 1998-11-25  
[30] US (08/978,738) 1997-11-26

---

[11] **2,255,096**  
[13] C

[51] **Int.Cl. 6B29C 45/17**  
[25] EN  
[54] **TIEBAR STRUCTURE FOR INJECTION MOLDING MACHINE**  
[54] **COLONNE DE GUIDAGE POUR PRESSE A INJECTION**  
[72] JACOVICH, William James, CA  
[72] ING, RONALD, CA  
[72] GOETZ, Frank E., CA  
[72] KESTLE, Martin, CA  
[72] GALT, JOHN, CA  
[73] HUSKY INJECTION MOLDING SYSTEMS LTD., CA  
[22] 1998-12-02  
[30] US (09/070,598) 1998-04-30

---

[11] **2,255,138**  
[13] C

[51] **Int.Cl. 6C21D 1/42 6C23C 2/06 6G01K 7/16 6C23C 2/28**  
[25] EN  
[54] **ALLOYING SYSTEM AND HEATING CONTROL DEVICE FOR HIGH GRADE GALVANIZED STEEL SHEET**  
[54] **SYSTEME D'ALLIAGE ET DISPOSITIF DE COMMANDE DE CHAUFFAGE POUR TOLE D'ACIER GALVANISE A HAUTE TENEUR**  
[72] HAN, Kwang-Hee, JP  
[72] CHO, Noi-Ha, JP  
[72] HIRAI, Etsurou, JP  
[72] LEE, Jae-Young, JP  
[72] TSURUSAKI, Kazuya, JP  
[72] WADA, Kozo, JP  
[72] SHIM, Jang-Sub, JP  
[72] ASAHARA, Yuuji, JP  
[72] CHUN, Si-Youl, KR  
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[22] 1998-12-04  
[30] JP (9-335231) 1997-12-05

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[11] **2,255,243**  
[13] C

[51] **Int.Cl. 6B21B 45/06**  
[25] EN  
[54] **METHOD AND SYSTEM FOR SUPPRESSING FORMATION OF SCALE DEFECTS DURING HOT FINISH ROLLING**  
[54] **METHODE ET SYSTEME SERVANT A EMPECHER LA FORMATION DE DEFAUTS CAUSES PAR LE TARTRE PENDANT LE LAMINAGE DE FINITION A CHAUD**  
[72] MIN, Kyung-Zoon, JP  
[72] FUKUMORI, Junsou, JP  
[72] MIZUTA, Keiji, JP  
[72] LEE, Jae-Young, JP  
[72] SEO, Young-Gil, KR  
[72] PARK, Jung-Do, KR  
[72] KAYA, Akira, JP  
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[22] 1998-12-04  
[30] JP (9-335233) 1997-12-05

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[11] **2,255,576**  
[13] C

[51] **Int.Cl. 6G06K 7/14 6G06K 7/10**  
[25] EN  
[54] **HIGH SPEED IMAGE ACQUISITION SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE D'ACQUISITION D'IMAGES A GRANDE VITESSE**  
[72] SHREESHA, Vasanth, US  
[72] HECHT, Kurt, US  
[72] NESKOVIC, Milorad, US  
[72] COHEN, Edward, US  
[73] ACCU-SORT SYSTEMS, INC., US  
[85] 1998-11-18  
[86] 1997-06-03 (PCT/US1997/009447)  
[87] (WO1997/046965)  
[30] US (08/660,152) 1996-06-03

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[11] **2,256,997**  
[13] C

[51] **Int.Cl. 6A61N 1/365**  
[25] EN  
[54] **DIAGNOSTIC TELEMETRY SYSTEM FOR AN APPARATUS FOR DETECTION AND TREATMENT OF TACHYCARDIA AND FIBRILLATION**  
[54] **SYSTEME TELEMETRIQUE DE DIAGNOSTIC POUR UN APPAREIL DE DETECTION ET DE TRAITEMENT DE LA TACHYCARDIE ET DE LA FIBRILLATION**  
[72] KEIMEL, John G., US  
[73] MEDTRONIC, INC., US  
[22] 1993-12-15  
[62] 2,153,245  
[30] US (08/010,970) 1993-01-29

---

[11] **2,257,817**  
[13] C

[51] **Int.Cl. 6G01N 9/00**  
[25] EN  
[54] **VIBRATING TUBE DENSIMETER**  
[54] **DENSIMETRE A TUBE VIBRANT**  
[72] STACK, Charles Paul, US  
[72] PATTEN, Andrew Timothy, US  
[72] BUTTLER, Marc Allan, US  
[73] MICRO MOTION, INC., US  
[85] 1998-12-11  
[86] 1997-07-15 (PCT/US1997/010994)  
[87] (WO1998/002725)  
[30] US (08/680,903) 1996-07-16

---

[11] **2,258,914**  
[13] C

[51] **Int.Cl. 6B32B 7/00 6B32B 29/00 6B41M 7/00 6B44C 1/16 6G03H 1/22 6G02B 5/32**  
[25] EN  
[54] **HOLOGRAPHICALLY TRANSFERRABLE IMAGES**  
[54] **TRANSFERT HOLOGRAPHIQUE D'IMAGES**  
[72] STEPANEK, Michael J., US  
[73] ILLINOIS TOOL WORKS INC., US  
[85] 1998-12-21  
[86] 1997-06-18 (PCT/US1997/009805)  
[87] (WO1998/001292)  
[30] US (679,347) 1996-07-09

---

Canadian Patents Issued  
January 22, 2002

[11] 2,259,962  
[13] C

[51] Int.Cl. 6A61K 39/395 6A61K 38/19  
6G01N 33/554  
[25] EN  
[54] THERAPEUTIC APPLICATIONS  
OF T-BAM (CD40L) TECHNOLOGY TO  
TREAT DISEASES INVOLVING  
SMOOTH MUSCLE CELLS  
[54] APPLICATIONS  
THERAPEUTIQUES DE LA  
TECHNOLOGIE T-BAM (CD40L) POUR  
LE TRAITEMENT DES MALADIES  
CONCERNANT LES CELLULES DES  
MUSCLES LISSES  
[72] CHESS, Leonard, US  
[72] KARPUSAS, Mihail N., US  
[72] THOMAS, David W., US  
[72] LEDERMAN, Seth, US  
[72] YELLIN, Michael J., US  
[73] THE TRUSTEES OF COLUMBIA  
UNIVERSITY IN THE CITY OF NEW  
YORK, US  
[73] BIOGEN, INCORPORATED, US  
[85] 1999-01-07  
[86] 1997-07-03 (PCT/US1997/012925)  
[87] (WO1998/001145)  
[30] US (08/677,730) 1996-07-08

[11] 2,261,841  
[13] C

[51] Int.Cl. 6H01Q 19/00 6H04B 7/015  
[25] EN  
[54] ADAPTIVE RECEIVING DEVICE  
FOR ANTENNAS  
[54] DISPOSITIF DE RECEPTION  
ADAPTATIF POUR ANTENNES  
[72] MARUTA, Yasushi, JP  
[72] YOSHIDA, Shousei, JP  
[72] USHIROKAWA, Akihisa, JP  
[73] NEC CORPORATION, JP  
[22] 1999-02-12  
[30] JP (10-046334) 1998-02-13

[11] 2,263,997  
[13] C

[51] Int.Cl. 6E04C 2/12 6E01D 19/12  
6E04C 3/14  
[25] EN  
[54] SUPPORTING WOODEN PANEL  
ELEMENT FOR CONSTRUCTING  
CEILINGS OR BRIDGES AND USE OF A  
SCREW FOR CONNECTING BOARDS  
TO FORM A PANEL ELEMENT  
[54] ELEMENT DE TYPE PLAQUE  
PORTANTE EN BOIS POUR  
CONSTRUCTIONS DE PLANCHERS OU  
DE PONTS ET UTILISATION D'UNE  
VIS POUR ASSEMBLER DES  
PLANCHES POUR FORMER UN  
ELEMENT DE TYPE PLAQUE  
[72] MEIERHOFER, Ulrich A., CH  
[73] SFS INDUSTRIE HOLDING AG, CH  
[85] 1999-02-11  
[86] 1997-08-07 (PCT/EP1997/004297)  
[87] (WO1998/006912)  
[30] DE (196 32 796.2) 1996-08-14

[11] 2,266,981  
[13] C

[51] Int.Cl. 6A63B 59/14 6A63B 59/02  
6A63B 59/06 6A63B 53/10  
[25] EN  
[54] ARCUATE SHAFT FOR SPORTING  
EQUIPMENT  
[54] MANCHE ARQUE POUR  
EQUIPEMENT SPORTIF  
[72] LORINT, George, CA  
[73] LORINT, George, CA  
[22] 1999-03-26

[11] 2,267,141  
[13] C

[51] Int.Cl. 6H04J 14/02  
[25] EN  
[54] DYNAMICALLY  
RECONFIGURABLE OPTICAL ADD-  
DROP MULTIPLEXERS FOR WDM  
OPTICAL COMMUNICATION  
SYSTEMS  
[54] MULTIPLEXEURS OPTIQUES  
D'INSERTION-EXTRACTION  
RECONFIGURABLES  
DYNAMIQUEMENT DESTINES A DES  
SYSTEMES DE COMMUNICATION  
OPTIQUE MRL  
[72] MIZRAHI, Victor, US  
[73] CIENA CORPORATION, US  
[85] 1999-03-26  
[86] 1998-07-29 (PCT/US1998/015815)  
[87] (WO1999/007097)  
[30] US (08/902,810) 1997-07-30

[11] 2,269,957  
[13] C

[51] Int.Cl. 6G01C 7/06  
[25] EN  
[54] AUTOMATED GUIDED  
APPARATUS SUITABLE FOR TOPING  
APPLICATIONS  
[54] APPAREIL GUIDE AUTOMATISE  
APPROPRIE AUX APPLICATIONS «  
TOPS »  
[72] CUNNINGHAM, Peter D., CA  
[73] INCO LIMITED, CA  
[22] 1999-04-22  
[30] US (09/065,880) 1998-04-24

[11] 2,272,737  
[13] C

[51] Int.Cl. 6H01B 11/18  
[25] EN  
[54] COAXIAL CABLE  
[54] CABLE COAXIAL  
[72] COGEN, Jeffrey Morris, US  
[72] MAKI, Sandra Germaine Mary, CA  
[73] UNION CARBIDE CHEMICALS &  
PLASTICS TECHNOLOGY  
CORPORATION, US  
[22] 1999-05-25  
[30] US (09/084,680) 1998-05-26

[11] 2,273,518  
[13] C

[51] Int.Cl. 6B01D 46/10  
[25] EN  
[54] AIR FILTER ASSEMBLY  
[54] ASSEMBLAGE DE FILTRE A AIR  
[72] HOFFKEN, Russell, US  
[73] AAF INTERNATIONAL, US  
[22] 1999-06-01  
[30] US (09/114,465) 1998-07-13

[11] 2,276,630  
[13] C

[51] Int.Cl. 6B65D 25/00 6A47K 5/03  
6A47G 29/06 6A47K 1/09 6A47G 19/22  
6B65D 1/40  
[25] EN  
[54] CONTAINER  
[54] CONTENEUR  
[72] HO, STANLEY, US  
[73] ALLURE HOME CREATION CO.,  
INC., US  
[85] 1999-05-28  
[86] 1998-11-16 (PCT/US1998/024516)  
[87] (WO2000/020291)  
[30] US (09/165064) 1998-10-02

**Brevets canadiens délivrés  
22 janvier 2002**

[11] **2,279,031**  
[13] C

[51] **Int.Cl. 6G05B 23/00**  
[25] EN  
[54] **SWEEP PILOT TECHNIQUE FOR A CONTROL SYSTEM THAT REDUCES DISTORTION PRODUCED BY ELECTRICAL CIRCUITS**  
[54] **TECHNIQUE A SIGNAL PILOTE A BALAYAGE POUR SYSTEME DE COMMANDE QUI REDUIT LA DISTORSION PRODUITE PAR LES CIRCUITS ELECTRIQUES**  
[72] MYER, ROBERT EVAN, US  
[72] PATEL, MOHAN, US  
[73] LUCENT TECHNOLOGIES, INC., US  
[22] 1999-07-29  
[30] US (09/162,697) 1998-09-29

[11] **2,284,061**  
[13] C

[51] **Int.Cl. 6G08B 21/00 6G01P 15/00 6B60Q 9/00 6B60R 21/32**  
[25] EN  
[54] **IMPACT MONITOR**  
[54] **DISPOSITIF DE SURVEILLANCE D'IMPACTS**  
[72] TABLER, LYLE, CA  
[72] KELLAM, H. JAY, CA  
[73] BMI TECHNOLOGIES INC., CA  
[22] 1999-09-28

[11] **2,289,695**  
[13] C

[51] **Int.Cl. 6H01S 3/098 6H01S 3/109**  
[25] EN  
[54] **A SINGLE MODE LASER SUITABLE FOR USE IN FREQUENCY MULTIPLIED APPLICATIONS AND METHOD**  
[54] **LASER MONOMODE UTILISABLE DANS DES APPLICATIONS A MULTIPLICATION DE FREQUENCE ET METHODE CONNEXE**  
[72] XIE, PING, US  
[73] JDS UNIPHASE CORPORATION, US  
[85] 1999-10-20  
[86] 1998-05-26 (PCT/US1998/010632)  
[87] (WO1998/054803)  
[30] US (08/861,372) 1997-05-27

[11] **2,300,829**  
[13] C

[51] **Int.Cl. 7H01Q 21/00 7H01P 1/00 7H01P 5/00 7H01Q 1/00 7H01Q 1/12 7H01B 17/34**  
[25] EN  
[54] **SIGNAL TRANSMISSION ANTENNA MAST**  
[54] **MAT D'ANTENNE POUR TRANSMISSION DE SIGNAUX**  
[72] KAEGEBEIN, DANIEL P., US  
[73] TX RX SYSTEMS INC., US  
[85] 2000-02-21  
[86] 1998-03-30 (PCT/US1998/006156)  
[87] (WO1999/017402)  
[30] US (08/941,844) 1997-10-01

[11] **2,301,351**  
[13] C

[51] **Int.Cl. 7A61F 2/06**  
[25] EN  
[54] **METHOD AND APPARATUS FOR DIRECT LASER CUTTING OF METAL STENTS**  
[54] **METHODE ET APPAREIL POUR LA COUPE DIRECTE AU LASER, D'EXTENSEURS METALLIQUES**  
[72] SAUNDERS, RICHARD J., US  
[73] ADVANCED CARDIOVASCULAR SYSTEMS, INC., US  
[22] 1995-11-27  
[62] 2,163,824  
[30] US (08/345,501) 1994-11-28

[11] **2,304,587**  
[13] C

[51] **Int.Cl. 7A47D 15/00**  
[25] EN  
[54] **CHILD CARRIER HARNESS**  
[54] **HARNAIS PORTE-BEBE**  
[72] CANNA, JOHN S., US  
[72] VON FELTEN, KENNETH, US  
[72] WILKINS, JULIA M., US  
[73] FISHER-PRICE, INC., US  
[85] 2000-03-28  
[86] 1999-07-23 (PCT/US1999/016624)  
[87] (WO2000/006002)  
[30] US (09/123,355) 1998-07-28

[11] **2,325,608**  
[13] C

[51] **Int.Cl. 7G01B 7/06 7B07C 1/16**  
[25] EN  
[54] **MAIL THICKNESS MEASURING APPARATUS**  
[54] **APPAREIL POUR MESURER L'EPAISSEUR DES PIECES DU COURRIER**  
[72] TOLMIE, ROBERT J., JR., US  
[72] DOLAN, DONALD T., US  
[73] PITNEY BOWES INC., US  
[22] 1989-11-29  
[62] 2,004,114  
[30] US (291038) 1988-12-28

[11] **2,328,941**  
[13] C

[51] **Int.Cl. 6G06F 13/00**  
[25] EN  
[54] **INAPPROPRIATE SITE MANAGEMENT SOFTWARE**  
[54] **LOGICIEL DE GESTION DES SITES INAPPROPRIES**  
[72] ELSWICK, PAUL BLAIR, US  
[72] HUGHES, PATRICK ALAN, US  
[73] CORNERPOST SOFTWARE, LLC, US  
[85] 2000-10-16  
[86] 1999-04-20 (PCT/US1999/008603)  
[87] (WO1999/054827)  
[30] US (09/062,637) 1998-04-20



**Canadian Patents Issued  
January 22, 2002**

# Canadian Laid-Open Applications

December 30, 2001 - January 5, 2002

## Demands canadiennes mises à la disponibilité du public

30 decembre 2001 - 5 janvier 2002

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[21] **2,312,176**  
[13] A1  
[51] **Int.Cl. 7B60P 7/06**  
[25] EN  
[54] **THE ROOF SAVER**  
[54] **SYSTEME DE PROTECTION DE TOIT « THE ROOF SAVER »**  
[72] WHELAN, ALTON RICHARD, CA  
[71] WHELAN, ALTON RICHARD, CA  
[22] 2000-07-04  
[43] 2002-01-04

---

[21] **2,312,596**  
[13] A1  
[51] **Int.Cl. 7C10L 1/18 7C10L 1/12 7F02D 41/30**  
[25] EN  
[54] **FUEL SAVING GASOLINE-ALCOHOL COMPOSITION**  
[54] **COMPOSE D'ESSENCE ET D'ALCOOL ECONOMISEUR DE CARBURANT**  
[72] MIKHAILONSKI, VIKTOR, CA  
[71] MIKHAILONSKI, VIKTOR, CA  
[22] 2000-07-05  
[43] 2002-01-05

---

[21] **2,312,597**  
[13] A1  
[51] **Int.Cl. 7G06F 17/30 7G06F 17/21**  
[25] EN  
[54] **A METHOD FOR DATA RETRIEVAL USING TREE-STRUCTURED QUERY WITH RETURNED RESULT SET IN XML FORMAT**  
[54] **METHODE DE RECUPERATION DE DONNEES UTILISANT LES INTERROGATIONS A STRUCTURE ARBORESCENTE ET RETOURNANT LES RESULTATS EN FORMAT XML**  
[72] ZHANG, BENJAMIN, CA  
[71] ZHANG, BENJAMIN, CA  
[22] 2000-07-05  
[43] 2002-01-05

---

[21] **2,312,675**  
[13] A1  
[51] **Int.Cl. 7A43B 13/20**  
[25] FR  
[54] **SEMELLE AEROSAUT**  
[54] **AIRJUMP SOLE**  
[72] THERRIEN, JEAN-PAUL, CA  
[71] THERRIEN, JEAN-PAUL, CA  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,312,676**  
[13] A1  
[51] **Int.Cl. 7A43B 17/03 7A43B 13/20**  
[25] FR  
[54] **BAS ISOLANT**  
[54] **INSULATING SOCK**  
[72] THERRIEN, JEAN-PAUL, CA  
[71] THERRIEN, JEAN-PAUL, CA  
[22] 2000-06-30  
[43] 2001-12-30

---

[21] **2,312,687**  
[13] A1  
[51] **Int.Cl. 7B60K 25/02**  
[25] FR  
[54] **UNITE DE PUISSANCE HYDRAULIQUE POUR VEHICULE TOUT TERRAIN**  
[54] **HYDRAULIC POWER UNIT FOR ALL-TERRAIN VEHICLE**  
[72] GUILLOT, ROGER R.G., CA  
[71] GUILLOT, ROGER R.G., CA  
[22] 2000-07-04  
[43] 2002-01-04

---

[21] **2,313,144**  
[13] A1  
[51] **Int.Cl. 7C25C 7/00**  
[25] EN  
[54] **REDUCTION AND OXIDATION OF TRANSITION METALS, INCLUDING PLATINUM GROUP METALS, WITHOUT THE USE OF AQUA REGIA**  
[54] **REDUCTION ET OXYDATION DE METAUX DE TRANSITION, Y COMPRIS LES METAUX DE LA MINE DE PLATINE, SANS L'UTILISATION D'EAU REGALE**  
[72] WELK, PAUL, CA  
[71] WELK, PAUL, CA  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,229**  
[13] A1  
[51] **Int.Cl. 7B27N 3/06 7B27N 3/08 7B27N 3/18 7H05B 6/80**  
[25] EN  
[54] **A METHOD OF MAKING A COMPOSITE WOOD PRODUCT FROM WOOD ELEMENTS**  
[54] **METHODE DE FABRICATION DE PRODUITS DE BOIS COMPOSITE ~ PARTIR D'ELEMENTS DE BOIS**  
[72] KOTT, NORBERT, CA  
[72] CHURCHLAND, MARK TRELAWNY, CA  
[72] PIKE, ROBERT LEESON, CA  
[71] TRUS JOIST MACMILLAN LIMITED, CA  
[22] 2000-06-30  
[43] 2001-12-30

**Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002**

[21] **2,313,233**  
[13] A1

[51] **Int.Cl. 7B22D 11/16**  
[25] EN  
[54] **METHOD OF AND APPARATUS FOR AUTOMATICALLY CONTROLLING OPERATION OF A CONTINUOUS CASTING PLANT**  
[54] **METHODE ET APPAREIL DE COMMANDE AUTOMATIQUE DU FONCTIONNEMENT D'UNE USINE DE COULEE CONTINUE**  
[72] PLESCHIUTSCHNIGG, FRITZ-PETER, DE  
[72] FELDHAUS., STEPHAN, DE  
[72] PARSCHAT, LOTHAR, DE  
[72] WOSCH, ERWIN, DE  
[72] VONDERBANK, MICHAEL, DE  
[71] SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT, DE  
[22] 2000-06-30  
[43] 2001-12-30  
[30] DE (199 30 904.4) 2000-07-06

[21] **2,313,263**  
[13] A1

[51] **Int.Cl. 7E04C 2/284 7E04B 1/00**  
[25] EN  
[54] **HOUSING PANEL, METHOD FOR MANUFACTURING HOUSING PANEL AND HOUSE USING HOUSING PANEL**  
[54] **PANNEAU DE RECOUVREMENT DE LOGEMENT, METHODE DE FABRICATION CONNEXE ET MAISON SE SERVANT DE CE TYPE DE PANNEAU**  
[72] UEKI, TADASHI, JP  
[71] UEKI HOUSE KABUSHIKI KAISHA, JP  
[22] 2000-06-30  
[43] 2001-12-30

[21] **2,313,270**  
[13] A1

[51] **Int.Cl. 7A61K 31/4412 7A61P 9/00**  
[25] EN  
[54] **A NEW USE FOR DEFERIPRONE**  
[54] **DEFERIPRONE : NOUVELLE UTILISATION**  
[72] SPINO, MICHAEL, CA  
[72] PIGA, ANTONIO, CA  
[71] APOTEX INC., CA  
[22] 2000-06-30  
[43] 2001-12-30

[21] **2,313,273**  
[13] A1

[51] **Int.Cl. 7G06F 15/16 7H04L 29/02**  
[25] EN  
[54] **DEVICE AND METHOD FOR ALLOCATING JOBS IN A NETWORK**  
[54] **DISPOSITIF ET METHODE D'ATTRIBUTION DE TRAVAUX DANS UN RESEAU**  
[72] LU, BINGFENG, CA  
[72] ZHANG, FUBO, CA  
[72] REID, GREGORY, CA  
[72] LONG, WEIHONG, CA  
[71] PLATFORM COMPUTING (BARBADOS) INC., BB  
[22] 2000-06-30  
[43] 2001-12-30

[21] **2,313,275**  
[13] A1

[51] **Int.Cl. 7G11C 11/4193 7G11C 15/00 7G11C 11/4074**  
[25] EN  
[54] **SEARCHLINE CONTROL CIRCUIT AND POWER REDUCTION METHOD**  
[54] **CIRCUIT DE COMMANDE DE LIGNES EXPLORATRICES ET METHODE DE REDUCTION DE LA PUISSANCE**  
[72] GILLINGHAM, PETER B., CA  
[72] AHMED, ABDULLAH, CA  
[71] MOSAID TECHNOLOGIES INCORPORATED, CA  
[22] 2000-06-30  
[43] 2001-12-30

[21] **2,313,276**  
[13] A1

[51] **Int.Cl. 7E06B 7/14**  
[25] EN  
[54] **WEEP HOLE CONSTRUCTION**  
[54] **CONSTRUCTION D'UNE CHANTEPLEURE**  
[72] O'DONNELL, RICHARD H., CA  
[71] O'DONNELL, RICHARD H., CA  
[22] 2000-06-30  
[43] 2001-12-30

[21] **2,313,278**  
[13] A1

[51] **Int.Cl. 7E04C 2/292**  
[25] EN  
[54] **BUILDING CONSTRUCTION PANEL**  
[54] **PANNEAU DE CONSTRUCTION DE BATIMENTS**  
[72] CHANDLER, ELISABETH, CA  
[72] HAYMAN, JAMES BARRY MARTYN, CA  
[71] CHANDLER HAYMAN INC., CA  
[22] 2000-06-30  
[43] 2001-12-30

[21] **2,313,283**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7G09F 19/00 7G06F 17/30 7G06F 17/60**  
[25] EN  
[54] **CUSTOM ADVERTISING AND TRADE FACILITATION SYSTEM FOR INTERNET OR E-MAIL IMPLEMENTATION**  
[54] **SYSTEME DE PUBLICITE PERSONNALISEE ET DE FACILITATION DU COMMERCE POUR MISE EN OEUVRE SUR INTERNET OU PAR COURRIER ELECTRONIQUE**  
[72] WURTELE, SCOTT, CA  
[72] WAGORN, PAUL, CA  
[72] BECKERS, JASON, CA  
[72] KNOPP, JONATHAN, CA  
[72] MCNEAL, AARON, CA  
[71] WURTELE, SCOTT, CA  
[71] WAGORN, PAUL, CA  
[71] BECKERS, JASON, CA  
[71] KNOPP, JONATHAN, CA  
[71] MCNEAL, AARON, CA  
[22] 2000-06-30  
[43] 2001-12-30

[21] **2,313,286**  
[13] A1

[51] **Int.Cl. 7H03K 5/159**  
[25] EN  
[54] **DIGITAL DELAY ELEMENT**  
[54] **ELEMENT DE RETARD NUMERIQUE**  
[72] DEMONE, PAUL, CA  
[71] MOSAID TECHNOLOGIES INCORPORATED, CA  
[22] 2000-06-30  
[43] 2001-12-30

**Demandes canadiennes mises à la disponibilité du public**  
**30 decembre 2001 - 5 janvier 2002**

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[21] **2,313,290**  
[13] A1

[51] **Int.Cl. 7H04Q 7/36**  
[25] EN  
[54] **ADAPTIVE RATE POWER CONTROL CDMA SYSTEM**  
[54] **SYSTEME AMRC (ACCES MULTIPLE PAR REPARTITION EN CODE) DE COMMANDE D'ALIMENTATION A DEBIT ADAPTATIF**  
[72] VAN HEESWYK, FRANK, CA  
[71] VAN HEESWYK, FRANK, CA  
[22] 2000-06-30  
[43] 2001-12-30

---

[21] **2,313,291**  
[13] A1

[51] **Int.Cl. 7E02F 3/815**  
[25] EN  
[54] **GRADER MOLDBOARD ASSEMBLY**  
[54] **ENSEMBLE DE LAME NIVELEUSE**  
[72] MCGUGAN, EDWARD, CA  
[71] CHAMPION ROAD MACHINERY LIMITED, CA  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,295**  
[13] A1

[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **APPARATUS AND METHOD OF COMPOSING A PLAN OF FLEXIBLE BENEFITS**  
[54] **APPAREIL ET METHODE DE MISE AU POINT D'UN REGIME D'AVANTAGES SOCIAUX ADAPTES AUX BESOINS DES EMPLOYES**  
[72] JAEGER, WILLIAM R., US  
[72] HYMAN, ANDREW A., US  
[71] BENEFIT TECHNOLOGIES, INC., US  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,299**  
[13] A1

[51] **Int.Cl. 7H01R 13/502**  
[25] EN  
[54] **ELECTRIC OUTLET SHELL**  
[54] **REVETEMENT DE PRISE DE COURANT**  
[72] CHOU, JONIE, TW  
[71] CHOU, JONIE, TW  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,301**  
[13] A1

[51] **Int.Cl. 7A45F 5/02**  
[25] EN  
[54] **SECURING DEVICE FOR ELONGATED IMPLEMENT**  
[54] **DISPOSITIF DE FIXATION D'UN OUTIL ALLONGE**  
[72] TOULANY, SALEEM, CA  
[71] TOULANY, SALEEM, CA  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,303**  
[13] A1

[51] **Int.Cl. 7A43B 5/18**  
[25] EN  
[54] **SIZE-ADJUSTABLE OVERSHOES FOR GOLF SHOES**  
[54] **COUVRE-CHAUSSURE POUVANT S'AJUSTER A DIFFERENTES TAILLES DE CHAUSSURES DE GOLF**  
[72] TSEN, CHIN YU, CN  
[71] TSEN, CHIN YU, CN  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,307**  
[13] A1

[51] **Int.Cl. 7B29C 47/12 7E04H 4/00 7B29C 47/06 7B29C 47/08**  
[25] EN  
[54] **DIFFERENTIAL VELOCITY EXTRUSION**  
[54] **FILAGE PAR VITESSE DIFFERENTIELLE**  
[72] SLYNE, WILLIAM J., CA  
[71] SLYNE, WILLIAM J., CA  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,309**  
[13] A1

[51] **Int.Cl. 7A01K 27/00**  
[25] EN  
[54] **HARNESS FOR DOMESTIC ANIMALS**  
[54] **HARNAIS POUR ANIMAUX DOMESTIQUES**  
[72] BOCCHIARDO, LIVIO, IT  
[72] FRANCO, ANDREINO, IT  
[71] L.A.C. DI ALBERTENGO & C. SNC, IT  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,314**  
[13] A1

[51] **Int.Cl. 7H04Q 7/36**  
[25] EN  
[54] **CONTROL CHANNEL FOR A WIRELESS DIGITAL SUBSCRIBER LINE SYSTEM**  
[54] **CANAL DE COMMANDE D'UN SYSTEME DE LIGNE D'ABONNE NUMERIQUE SANS FIL**  
[72] MANTHA, RAMESH, CA  
[72] SNELGROVE, MARTIN, CA  
[72] VAN HEESWYK, FRANK, CA  
[71] MANTHA, RAMESH, CA  
[71] SNELGROVE, MARTIN, CA  
[71] VAN HEESWYK, FRANK, CA  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,325**  
[13] A1

[51] **Int.Cl. 7E06B 1/12**  
[25] EN  
[54] **DOORLITE SYSTEM**  
[54] **SYSTEME D'INSTALLATION DE VITRE DANS UNE PORTE**  
[72] LAMANNA, ROCCO, CA  
[71] LAMANNA, ROCCO, CA  
[22] 2000-06-30  
[43] 2001-12-30

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[21] **2,313,358**  
[13] A1

[51] **Int.Cl. 7A47J 47/00 7A47L 15/42**  
[25] EN  
[54] **INTEGRATED CUTTING BOARD FOR UNDER-COUNTER DISHWASHER**  
[54] **PLANCHE A DECOUPER INTEGREE POUR LAVE-VAISSELLE ENCASTRE**  
[72] STEFANCIC, DARIO, CA  
[71] WHIRLPOOL CORPORATION, US  
[22] 2000-07-04  
[43] 2002-01-04

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[21] **2,313,362**  
[13] A1

[51] **Int.Cl. 7A01B 73/06 7A01D 78/14**  
[25] EN  
[54] **FOLDING HAY RAKE**  
[54] **RATEAU A FOIN PLIANT**  
[72] NADEAU, PAUL, CA  
[71] WESTWARD PRODUCTS LTD., CA  
[22] 2000-07-04  
[43] 2002-01-04

---

Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002

[21] 2,313,375  
[13] A1

[51] **Int.Cl. 7C09D 9/00**  
[25] EN  
[54] **METHOD FOR REMOVING PAINT USING A BARRIER FILM**  
[54] **METHODE POUR ENLEVER LA PEINTURE A L'AIDE D'UN FILM BARRIERE**  
[72] PAGEAU, DANIEL, CA  
[72] MARCU, ELIZABETH, CA  
[71] E.Q.U.I.P. INTERNATIONAL INC., CA  
[22] 2000-07-04  
[43] 2002-01-04

[21] 2,313,589  
[13] A1

[51] **Int.Cl. 7G06F 17/21**  
[25] EN  
[54] **SYSTEM AND METHOD FOR INDICATING THE STATE OF AN ELECTRONIC DOCUMENT IN AN ELECTRONIC DOCUMENT APPROVAL SYSTEM**  
[54] **SYSTEME ET METHODE POUR INDIQUER L'ETAT D'UN DOCUMENT ELECTRONIQUE DANS UN SYSTEME D'APPROBATION DE DOCUMENTS ELECTRONIQUES**  
[72] PETROGIANNIS, TOMMY, CA  
[71] SILANIS TECHNOLOGY INC., CA  
[22] 2000-07-05  
[43] 2002-01-05

[21] 2,313,630  
[13] A1

[51] **Int.Cl. 7G07B 11/02**  
[25] EN  
[54] **SCRATCHABLE CONDUCTIVE LATEX DOCUMENT SCANNER**  
[54] **LECTEUR DE DOCUMENTS A LATEX CONDUCTEUR EFFACABLE**  
[72] DE COURSSOU, THIERRY BRUNET, US  
[72] GATTO, JEAN-MARIE, GB  
[71] CYBERSCAN TECHNOLOGY, INC., US  
[22] 2000-07-05  
[43] 2002-01-05

[21] 2,313,385  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7H04L 12/16**  
[25] EN  
[54] **NEWS RETRIEVER AND RELEVANCE TRACKER**  
[54] **SYSTEME D'EXTRACTION DE NOUVELLES ET SUIVEUR DE LA PERTINENCE**  
[72] KAMYCHEV, ALEXEI, CA  
[72] AUSLENDER, LEONID, CA  
[72] LEVIN, MICHAEL, CA  
[72] DEGTIAREV, OLEG, GB  
[71] 3774791 CANADA INC., CA  
[22] 2000-07-04  
[43] 2002-01-04

[21] 2,313,591  
[13] A1

[51] **Int.Cl. 7B60B 35/04 7A63B 55/08**  
[25] EN  
[54] **WHEEL SUPPORTER AND SHAFT FOR A GOLF CART**  
[54] **SUPPORT DE ROUES ET ARBRE DE CHARIOT DE GOLF**  
[72] LIAO, GORDON, TW  
[71] UNIQUE PRODUCT & DESIGN CO., LTD., TW  
[22] 2000-07-05  
[43] 2002-01-05

[21] 2,314,197  
[13] A1

[51] **Int.Cl. 7B22D 41/50 7B22D 11/06**  
[25] EN  
[54] **IMPROVEMENTS RELATING TO THE POURING OF METALS**  
[54] **AMELIORATIONS PORTANT SUR LE COULAGE DES METAUX**  
[72] CALVI, JOHN ADRIAN, AU  
[72] LITTLE, GRAEME, AU  
[72] GRAY, GEOFFREY EDWARD, AU  
[72] EVANS, HOWARD JOHN, AU  
[72] DURAN, RODOLFO DANIEL, AU  
[72] HAMILTON, MICHAEL ROBERT, AU  
[72] GEELLEN, MARCEL JOHN, AU  
[72] JONES, KEITH WILLIAM, AU  
[71] LEWIS AUSTRALIA PTY LTD, AU  
[22] 2000-07-21  
[43] 2002-01-05  
[30] AU (PQ8574) 2000-07-05

[21] 2,313,428  
[13] A1

[51] **Int.Cl. 7F41C 27/00**  
[25] EN  
[54] **GUN TRIGGER PADLOCK**  
[54] **CADENAS AVEC VERROU D'ARME**  
[72] KIELLAND, PETER, CA  
[71] KIELLAND, PETER, CA  
[22] 2000-06-30  
[43] 2001-12-30

[21] 2,313,606  
[13] A1

[51] **Int.Cl. 7A47F 5/01 7A47F 7/14**  
[25] EN  
[54] **DISPLAY DEVICE**  
[54] **PRESENTOIR**  
[72] MORRISSON, STEVEN B., CA  
[71] ALBUMS DF LTÉE., CA  
[22] 2000-07-05  
[43] 2002-01-05

[21] 2,314,542  
[13] A1

[51] **Int.Cl. 7B08B 3/00 7B60S 3/04**  
[25] FR  
[54] **UNITE MOBILE DE LAVAGE ET DE RECUPERATION D'EAUX USEES**  
[54] **MOBILE WASHING AND WASTEWATER RECOVERY UNIT**  
[72] MATHIEU, CHRISTIAN, CA  
[71] MATHIEU, CHRISTIAN, CA  
[22] 2000-07-05  
[43] 2002-01-05

[21] 2,313,430  
[13] A1

[51] **Int.Cl. 7A61K 9/70 7A61K 33/00**  
[25] EN  
[54] **CUSTOM TRANSDERMAL PATCHES**  
[54] **TIMBRES TRANSDERMIQUES PERSONNALISES**  
[72] ACKMAN, CHARLES BRUCE, CA  
[71] VAXIS THERAPEUTICS CORP., CA  
[22] 2000-07-04  
[43] 2002-01-04

[21] 2,313,619  
[13] A1

[51] **Int.Cl. 7B60R 25/06**  
[25] EN  
[54] **LOCKING STRUCTURE FOR MANUAL SHIFT LEVERS**  
[54] **STRUCTURE DE VERROUILLAGE POUR LEVIERS DE CHANGEMENT MANUEL DE VITESSE**  
[72] LI, CHI-YUAN, TW  
[71] EASTERN TORCH INTERNATIONAL CO., LTD., TW  
[22] 2000-07-05  
[43] 2002-01-05

**Demandes canadiennes mises à la disponibilité du public**  
**30 decembre 2001 - 5 janvier 2002**

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[21] **2,316,579**  
[13] A1

[51] **Int.Cl. 7B63C 9/11 7B63C 9/087**  
[25] EN  
[54] **COMBINATION LIFE JACKET AND PROTECTIVE BODY HEAT RETAINING POD**  
[54] **GILET DE SAUVETAGE ET VETEMENT PROTECTEUR EMPECHANT LA DEPERDITION DE CHALEUR**  
[72] FLEISCHLI, JACK A., US  
[71] FLEISCHLI, JACK A., US  
[22] 2000-08-23  
[43] 2002-01-03  
[30] US (09/609,674) 2000-07-03

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[21] **2,317,995**  
[13] A1

[51] **Int.Cl. 7G01R 31/02 7G01R 31/08**  
[25] EN  
[54] **METHODS AND ARRANGEMENTS TO DETECT AND RESPOND TO FAULTS IN ELECTRICAL POWER DISTRIBUTION EQUIPMENT AND SYSTEMS**  
[54] **METHODES ET DISPOSITIFS POUVANT DETECTER DES DEFAUTS D'ISOLEMENT, ET REAGIR A CEUX-CI, DANS DES SYSTEMES ET DE L'EQUIPEMENT DE DISTRIBUTION D'ENERGIE ELECTRIQUE**  
[72] NIEMIRA, JAMES K., US  
[72] MEISINGER, MICHAEL J., US  
[71] S&C ELECTRIC COMPANY, US  
[22] 2000-09-11  
[43] 2001-12-30  
[30] US (60/215,641) 2000-06-30

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[21] **2,318,537**  
[13] A1

[51] **Int.Cl. 7C12N 15/11 7C12P 19/04 7C12N 1/20**  
[25] EN  
[54] **PRODUCTION OF POLYSACCHARIDE S-7**  
[54] **PRODUCTION DE POLYSACCHARIDE S-7**  
[72] POLLOCK, THOMAS J., US  
[71] SHIN-ETSU CHEMICAL CO., LTD., JP  
[71] SHIN-ETSU BIO, INC., US  
[22] 2000-09-20  
[43] 2001-12-30  
[30] US (09/607,248) 2000-06-30

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[21] **2,321,361**  
[13] A1

[51] **Int.Cl. 7H01B 3/00 7H02K 3/30 7H01F 27/32**  
[25] FR  
[54] **SYSTEME D'ISOLATION ELECTRIQUE POUR APPAREILLAGE DE NATURE INDUCTIVE**  
[54] **ELECTRICAL INSULATION SYSTEM FOR INDUCTIVE INSTRUMENTATION**  
[72] HUDON, CLAUDE, CA  
[71] HYDRO-QUEBEC, CA  
[22] 2000-10-10  
[43] 2002-01-02

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[21] **2,321,809**  
[13] A1

[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **RETIREMENT COMPENSATION AGREEMENT FINANCING SYSTEM AND METHOD**  
[54] **METHODE ET SYSTEME DE FINANCEMENT DE CONVENTION DE RETRAITE**  
[72] MORRIS, GARNET G., CA  
[72] REZNICK, ALLAN E., US  
[72] OLIVE, WILSON H., CA  
[71] MORRIS, GARNET G., CA  
[71] REZNICK, ALLAN E., US  
[71] OLIVE, WILSON H., CA  
[22] 2000-09-28  
[43] 2001-12-30  
[30] US (09/607,891) 2000-06-30

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[21] **2,323,842**  
[13] A1

[51] **Int.Cl. 7A61F 9/01**  
[25] EN  
[54] **METHOD FOR CUSTOM CORNEAL CORRECTIONS**  
[54] **METHODE DE CORRECTIONS CORNEENES PERSONNALISEES**  
[72] JUHASZ, TIBOR, US  
[72] KURTZ, RONALD M., US  
[72] HORVATH, CHRISTOPHER, US  
[72] SUAREZ, CARLOS G., US  
[72] ALEXANDER, J. RANDY, US  
[71] INTRALASE CORPORATION, US  
[22] 2000-10-19  
[43] 2001-12-30  
[30] US (09/609,090) 2000-06-30

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[21] **2,325,145**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7G05B 15/00 7F24D 19/00**  
[25] EN  
[54] **METHOD FOR SERVICING AND MAINTAINING HEAT SUPPLY EQUIPMENT**  
[54] **METHODE D'ENTRETIEN D'UN EQUIPEMENT D'ALIMENTATION DE CHALEUR**  
[72] WATANABE, YASUO, JP  
[72] TACHINO, KAZUHIRO, JP  
[72] KAYAHARA, TOSHIHIRO, JP  
[71] MIURA CO., LTD., JP  
[22] 2000-11-06  
[43] 2001-12-30  
[30] JP (198933/2000) 2000-06-30

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[21] **2,325,163**  
[13] A1

[51] **Int.Cl. 7H04N 7/18 7H04N 7/14 7H04L 12/16**  
[25] EN  
[54] **MULTIMEDIA I/O INTERFACE DEVICE FOR USE AT ENTERTAINMENT EVENTS**  
[54] **DISPOSITIF D'INTERFACE E/S MULTIMEDIA POUR UTILISATION A DES EVENEMENTS RECREATIFS**  
[72] NEWMAN, EDWARD G., US  
[71] XYBERNAUT CORPORATION, US  
[22] 2000-11-06  
[43] 2001-12-30  
[30] US (09/608,742) 2000-06-30

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[21] **2,325,165**  
[13] A1

[51] **Int.Cl. 7G06F 3/14**  
[25] EN  
[54] **WIRELESS DISPLAY WITH BUILT-IN-MOUSE**  
[54] **AFFICHAGE SANS FIL AVEC SOURIS INTEGREE**  
[72] NG, RICHARD, US  
[71] XYBERNAUT CORPORATION, US  
[22] 2000-11-06  
[43] 2002-01-03  
[30] US (09/609,804) 2000-07-03

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Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002

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[21] **2,325,307**  
[13] A1  
[51] **Int.Cl. 7B30B 15/02 7H02K 15/02**  
[25] EN  
[54] **LOOSE LAMINATION DIE WITH ROTATING BLANKING STATION**  
[54] **MATRICE A TOLES DETACHABLES AVEC POSTE DE DECOUPAGE ROTATIF**  
[72] BENDER, MARK, US  
[71] TEMPEL STEEL COMPANY, INC., US  
[22] 2000-11-02  
[43] 2002-01-03  
[30] US (09/609,550) 2000-07-03

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[21] **2,329,470**  
[13] A1  
[51] **Int.Cl. 7B62D 1/00 7B62D 7/14**  
[25] EN  
[54] **VEHICLE STEERING MODE SELECTION CONTROL**  
[54] **COMMANDE DE SELECTION DU MODE DE DIRECTION D'UN VEHICULE**  
[72] ONNEN, MARLIN MARTIN, US  
[72] SHIRLEY, RALPH EDWIN, US  
[72] LARSON, DAVID ALLEN, US  
[72] FALLON, MARK DESMOND, DE  
[71] DEERE & COMPANY, US  
[22] 2000-12-20  
[43] 2001-12-30  
[30] US (09/609,659) 2000-06-30

---

[21] **2,331,226**  
[13] A1  
[51] **Int.Cl. 7G06F 17/60 7G06F 7/00**  
[25] EN  
[54] **CONTENT DATA PROCESSING SYSTEM AND CONTENT DATA PROCESSING METHOD**  
[54] **SYSTEME INFORMATIQUE DE TRAITEMENT DU CONTENU ET METHODE DE TRAITEMENT DU CONTENU**  
[72] MIZUTANI, TEIJI, JP  
[71] TSUBASA SYSTEM CO., LTD., JP  
[22] 2001-01-17  
[43] 2001-12-30  
[30] JP (2000-198661) 2000-06-30

---

[21] **2,331,922**  
[13] A1  
[51] **Int.Cl. 7B43K 29/00 7A45C 11/04**  
[25] EN  
[54] **PEN FOR RECEIVING EYEGLASSES**  
[54] **STYLO PORTE-LUNETTES**  
[72] CHAO, DAVID, US  
[71] CHAO, DAVID, US  
[22] 2001-01-22  
[43] 2001-12-30  
[30] US (09/607,265) 2000-06-30

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[21] **2,332,162**  
[13] A1  
[51] **Int.Cl. 7A61N 5/00**  
[25] EN  
[54] **A CANCER THERMOTHERAPY APPARATUS**  
[54] **APPAREIL DE THERMOTHERAPIE POUR LE TRAITEMENT DU CANCER**  
[72] SAITO, YOSHIAKI, JP  
[71] NIIGATA UNIVERSITY, JP  
[22] 2001-01-25  
[43] 2002-01-04  
[30] JP (2000-201,973) 2000-07-04

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[21] **2,332,250**  
[13] A1  
[51] **Int.Cl. 7A61N 5/00**  
[25] EN  
[54] **A CANCER THERMOTHERAPY**  
[54] **THERMOTHERAPIE POUR LE TRAITEMENT DU CANCER**  
[72] SAITO, YOSHIAKI, JP  
[71] NIIGATA UNIVERSITY, JP  
[22] 2001-01-25  
[43] 2002-01-04  
[30] JP (2000-201,856) 2000-07-04

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[21] **2,333,825**  
[13] A1  
[51] **Int.Cl. 7A63B 59/06 7B21D 53/00 7B21K 17/00**  
[25] EN  
[54] **BAT WITH ELASTOMERIC INTERFACE**  
[54] **BATON AVEC INTERFACE EN ELASTOMERE**  
[72] FRITZKE, MARK A., US  
[72] EGGIMAN, MICHAEL D., US  
[71] WILSON SPORTING GOODS CO., US  
[22] 2001-02-01  
[43] 2002-01-03  
[30] US (09/610,340) 2000-07-03

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[21] **2,342,128**  
[13] A1  
[51] **Int.Cl. 7G06F 19/00 7G06F 17/00**  
[25] EN  
[54] **METHOD FOR ASSETS VARIATION SIMULATION IN ASSETS MANAGEMENT AND ITS SYSTEM, AND PSEUDO RANDOM NUMBER GENERATION METHOD USED IN THE SIMULATION**  
[54] **METHODE DE SIMULATION DE VARIATIONS DE BIENS DANS LA GESTION DES BIENS ET SYSTEME CONNEXE, ET METHODE DE GENERATION DE NOMBRES PSEUDO-ALEATOIRES UTILISES AU COURS DE LA SIMULATION**  
[72] TORII, HIDEYUKI, JP  
[71] NUMERICAL TECHNOLOGIES KABUSHIKI KAISHA, JP  
[22] 2001-03-27  
[43] 2001-12-30  
[30] JP (2000-199275) 2000-06-30

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[21] **2,342,134**  
[13] A1  
[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **ASSETS MANAGEMENT METHOD AND SYSTEM**  
[54] **METHODE ET SYSTEME DE GESTION DES BIENS**  
[72] TORII, HIDEYUKI, JP  
[71] NUMERICAL TECHNOLOGIES KABUSHIKI KAISHA, JP  
[22] 2001-03-27  
[43] 2001-12-30  
[30] JP (2000-199276) 2000-06-30

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[21] **2,342,304**  
[13] A1  
[51] **Int.Cl. 7F21S 8/02 7F21V 21/04**  
[25] EN  
[54] **ACCENT LIGHT ADJUSTABLE ASSEMBLY**  
[54] **APPAREIL D'ECLAIRAGE AJUSTABLE**  
[72] THOMAS, ERIK P., US  
[72] FRANCIS, DANIEL F., US  
[72] RODRIGUES, ORLANDO, US  
[71] GENLYTE THOMAS GROUP LLC, US  
[22] 2001-03-27  
[43] 2001-12-30  
[30] US (09/607,264) 2000-06-30

**Demandes canadiennes mises à la disponibilité du public**  
**30 decembre 2001 - 5 janvier 2002**

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[21] **2,342,306**  
[13] A1

[51] **Int.Cl. 7F21S 8/02 7F21V 21/04**  
[25] EN  
[54] **HEAT CONDUCTING MULTI POSITION REFLECTOR NECK ASSEMBLY**  
[54] **COL DE REFLECTEUR A MULTIPositions ET A CONDUCTION THERMIQUE**  
[72] ROBERGE, BRIAN R., US  
[72] THOMAS, ERIK P., US  
[71] GENLYTE THOMAS GROUP LLC, US  
[22] 2001-03-27  
[43] 2001-12-30  
[30] US (09/608,386) 2000-06-30

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[21] **2,342,307**  
[13] A1

[51] **Int.Cl. 7F21S 8/02 7F21V 21/04**  
[25] EN  
[54] **GLASS ACCENT TRIM PLATE**  
[54] **PLAQUETTE DE GARNITURE VITREE**  
[72] FRANCIS, DANIEL F., US  
[72] THOMAS, ERIK P., US  
[71] GENLYTE THOMAS GROUP LLC, US  
[22] 2001-03-27  
[43] 2001-12-30  
[30] US (09/608,181) 2000-06-30

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[21] **2,342,312**  
[13] A1

[51] **Int.Cl. 7F21S 8/02 7F21V 21/04**  
[25] EN  
[54] **AJUSTABLE MECHANISM WITH LOCKING BRAKE**  
[54] **MECANISME REGLABLE AVEC FREIN DE SECURITE**  
[72] RODRIGUES, ORLANDO, US  
[72] FRANCIS, DANIEL F., US  
[72] THOMAS, ERIK P., US  
[71] GENLYTE THOMAS GROUP LLC, US  
[22] 2001-03-27  
[43] 2001-12-30  
[30] US (09/608,089) 2000-06-30

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[21] **2,344,628**  
[13] A1

[51] **Int.Cl. 7F01D 5/16 7B23P 15/04**  
[25] EN  
[54] **BLADE DAMPER AND METHOD FOR MAKING SAME**  
[54] **AMORTISSEUR DE PALE, ET METHODE DE FABRICATION CONNEXE**  
[72] LIOTTA, GARY CHARLES, US  
[72] GROVER, GARTH KNEELAND, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2001-04-19  
[43] 2001-12-30  
[30] US (09/607,750) 2000-06-30

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[21] **2,344,747**  
[13] A1

[51] **Int.Cl. 7F24F 13/02**  
[25] FR  
[54] **CONDUIT DE VENTILATION SPECIFIQUE**  
[54] **SPECIFIC VENTILATING DUCT**  
[72] BAILLARGEON, RODRIGUE, CA  
[71] BAILLARGEON, RODRIGUE, CA  
[22] 2001-04-24  
[43] 2001-12-31

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[21] **2,344,956**  
[13] A1

[51] **Int.Cl. 7H01S 5/14 7G02B 6/12 7H04B 10/12**  
[25] EN  
[54] **SYSTEM COMPRISING OPTICAL SEMICONDUCTOR WAVEGUIDE DEVICE**  
[54] **SYSTEME COMPRENANT UN DISPOSITIF DE GUIDE D'ONDES A SEMI- CONDUCTEUR OPTIQUE**  
[72] WILSON, WILLIAM LARRY, US  
[72] CHEN, YONGQIN, US  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-04-25  
[43] 2001-12-30  
[30] US (09/608,639) 2000-06-30

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[21] **2,345,169**  
[13] A1

[51] **Int.Cl. 7H04Q 7/36**  
[25] EN  
[54] **DISTRIBUTED CHANNEL ASSIGNMENT METHOD**  
[54] **METHODE D'ATTRIBUTION DE VOIES REPARTIES**  
[72] AVIDOR, DAN, US  
[72] MUKHERJEE, SAYANDEV, US  
[72] RYOO, JEONG-DONG, US  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-04-25  
[43] 2001-12-30  
[30] US (09/607,499) 2000-06-30

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[21] **2,345,181**  
[13] A1

[51] **Int.Cl. 7H04B 10/24**  
[25] EN  
[54] **BI-DIRECTIONAL OPTICAL TRANSMISSION USING DUAL CHANNEL BANDS**  
[54] **TRANSMISSION OPTIQUE BIDIRECTIONNELLE SE SERVANT DE BANDES A DEUX CANAUX**  
[72] THOMPSON, WILLIAM A., US  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-04-25  
[43] 2001-12-30  
[30] US (09/608,406) 2000-06-30

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[21] **2,345,189**  
[13] A1

[51] **Int.Cl. 7E04B 9/06**  
[25] EN  
[54] **COMPRESSION RELIEF SECTION**  
[54] **SECTION DE SURETE**  
[72] ZIEGLER, DANIEL C., US  
[72] LIN, YU, US  
[72] PLATT, WILLIAM J., US  
[71] WORTHINGTON ARMSTRONG VENTURE, US  
[22] 2001-04-25  
[43] 2002-01-01  
[30] US (09/610,071) 2000-07-01

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**Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002**

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[21] **2,345,223**  
[13] A1

[51] **Int.Cl. 7F16K 35/10**  
[25] EN  
[54] **CHILDPROOF COVER FOR COMPRESSED GAS VALVES**  
[54] **BOUCHON A L'EPREUVE DES ENFANTS POUR SOUPAPES DE GAZ COMPRIME**  
[72] PETRYNA, THOMAS M., CA  
[71] PETRYNA, THOMAS M., CA  
[22] 2001-04-26  
[43] 2002-01-03  
[30] US (09/609,463) 2000-07-03

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[21] **2,345,314**  
[13] A1

[51] **Int.Cl. 7H04L 29/02 7H04N 7/50**  
[25] EN  
[54] **MPEG FLOW IDENTIFICATION FOR IP NETWORKS**  
[54] **IDENTIFICATION DU DEBIT MPEG POUR RESEAUX TI**  
[72] HEARN, JOHN P., US  
[72] MATTHEWS, KIM N., US  
[72] YU, CHRISTOPHER C., US  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-04-26  
[43] 2001-12-30  
[30] US (09/608,473) 2000-06-30

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[21] **2,345,858**  
[13] A1

[51] **Int.Cl. 7H04Q 7/30 7H04Q 7/36**  
[25] EN  
[54] **APPARATUS AND METHOD FOR ASYMMETRICAL FREQUENCY SPECTRUM UTILIZATION IN A WIRELESS NETWORK**  
[54] **APPAREIL ET METHODE D'UTILISATION ASYMETRIQUE DU SPECTRE DE FREQUENCES DANS UN RESEAU SANS FIL**  
[72] COSTA, JOSE M., CA  
[72] MCGREGOR, ANDREW, CA  
[72] MCGOWAN, NEIL, CA  
[71] NORTEL NETWORKS LIMITED, CA  
[22] 2001-05-01  
[43] 2001-12-30  
[30] US (09/606,690) 2000-06-30

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[21] **2,346,609**  
[13] A1

[51] **Int.Cl. 7H04L 29/02**  
[25] EN  
[54] **A PERVASIVE DOCK WITH COMMUNICATION PROTOCOL CONVERTER**  
[54] **STATION D'ACCUEIL OUVERTE MUNIE D'UN CONVERTISSEUR DE PROTOCOLE DE COMMUNICATION**  
[72] NARAYANASWAMI, CHANDRASEKHAR, US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2001-05-07  
[43] 2001-12-30  
[30] US (09/607,597) 2000-06-30

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[21] **2,346,610**  
[13] A1

[51] **Int.Cl. 7G06F 3/033 7G06F 13/12 7G06F 13/38**  
[25] EN  
[54] **A PERSONAL SMART POINTING DEVICE**  
[54] **DISPOSITIF DE POINTAGE INDIVIDUEL INTELLIGENT**  
[72] NARAYANASWAMI, CHANDRASEKHAR, US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2001-05-07  
[43] 2001-12-30  
[30] US (09/607,800) 2000-06-30

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[21] **2,347,063**  
[13] A1

[51] **Int.Cl. 7H04Q 7/20 7H04L 12/12 7H04Q 7/36**  
[25] EN  
[54] **A METHOD FOR PROVIDING MULTIPLE POINTS OF CONNECTIVITY TO SUBSCRIBERS OF WIRELESS COMMUNICATION NETWORKS**  
[54] **METHODE PERMETTANT D'OFFRIR DES POINTS DE CONNECTIVITE MULTIPLES A DES ABONNES DE RESEAUX DE COMMUNICATION SANS FIL**  
[72] MCCANN, PETER JAMES, US  
[72] HILLER, THOMAS LLOYD, US  
[72] MARKS, ROBERT JERROLD, US  
[71] LUCENT TECHNOLOGIES, INC., US  
[22] 2001-05-10  
[43] 2002-01-03  
[30] US (09/609,907) 2000-07-03

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[21] **2,348,112**  
[13] A1

[51] **Int.Cl. 7G02B 26/02**  
[25] EN  
[54] **PASSIVE OPTICAL ATTENUATOR**  
[54] **ATTENUATEUR OPTIQUE PASSIF**  
[72] HOOVER, JAMIESON WESLEY, CA  
[72] SZERESZEWSKI, JULIUSZ, CA  
[72] MOORE, WILLIAM THOMAS, CA  
[71] JDS UNIPHASE INC., CA  
[22] 2001-05-17  
[43] 2002-01-03  
[30] US (60/214,164) 2000-07-03

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[21] **2,348,118**  
[13] A1

[51] **Int.Cl. 7G02F 1/31 7G02B 26/08**  
[25] EN  
[54] **CONTROLLABLE DIFFRACTIVE GRATING ARRAY WITH PERPENDICULAR DIFFRACTION**  
[54] **FAISCEAU DIFFRACTEUR CONTROLABLE AVEC DIFFRACTION PERPENDICULAIRE**  
[72] PILOSSOF,NISSIM, IL  
[72] GELBART, DANIEL, CA  
[71] CREOSCITEX CORPORATION LTD., IL  
[22] 2001-05-17  
[43] 2002-01-03  
[30] US (60/216,156) 2000-07-03

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[21] **2,348,128**  
[13] A1

[51] **Int.Cl. 7B29C 45/73**  
[25] EN  
[54] **PROCESS FOR GAS ASSISTED AND WATER ASSISTED INJECTION MOLDING**  
[54] **PROCESSUS DE MOULAGE PAR INJECTION AU GAZ ET A L'EAU**  
[72] THOMAS, RONALD, US  
[71] THOMAS, RONALD, US  
[22] 2001-05-16  
[43] 2001-12-30  
[30] US (09/610,103) 2000-06-30

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**Demandes canadiennes mises à la disponibilité du public**  
**30 decembre 2001 - 5 janvier 2002**

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[21] **2,348,178**  
[13] A1

[51] **Int.Cl. 7E04B 5/00**  
[25] EN  
[54] **PREFABRICATED MODULAR BUILDING COMPONENT**  
[54] **ELEMENT DE CONSTRUCTION MODULAIRE PREFABRIQUE**  
[72] POTTER, JOHN, US  
[71] POTTER, JOHN, US  
[22] 2001-05-18  
[43] 2001-12-30  
[30] US (09/608,816) 2000-06-30

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[21] **2,348,343**  
[13] A1

[51] **Int.Cl. 7A47G 25/80 7A47G 25/00**  
[25] EN  
[54] **BOOT SHAPE RETAINER AND SUSPENDING DEVICE THEREFOR**  
[54] **EMBAUCHOIR POUR BOTTES ET ACCESSOIRE POUR LE SUSPENDRE**  
[72] YANAGI, SHOJIRO, JP  
[71] F1 CO., LTD., JP  
[22] 2001-05-24  
[43] 2002-01-03  
[30] JP (2000-200614) 2000-07-03  
[30] JP (2000-241024) 2000-08-09  
[30] JP (2001-000742) 2001-02-19  
[30] JP (2001-077299) 2001-03-16

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[21] **2,349,124**  
[13] A1

[51] **Int.Cl. 7G12B 9/00 7H05K 5/00**  
[25] EN  
[54] **PORTABLE HOUSING CONSTRUCTED FOR ACCOMMODATING AN AUDIO OR LIGHT MIXER**  
[54] **BATI PORTATIF CONSTRUIT POUR CONTENIR UN MELANGEUR DE SON OU DE LUMIERE**  
[72] WILFER, HANS-PETER, DE  
[71] WILFER, HANS-PETER, DE  
[22] 2001-05-30  
[43] 2002-01-04  
[30] EP (00 114 278.5) 2000-07-04

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[21] **2,349,664**  
[13] A1

[51] **Int.Cl. 7F25B 45/00**  
[25] EN  
[54] **DISPENSING TOOL ASSEMBLY FOR EVACUATING AND CHARGING A FLUID SYSTEM**  
[54] **DISTRIBUTEUR D'EVACUATION ET DE CHARGEMENT D'UN SYSTEME DE FLUIDE**  
[72] ROBINSON, RANDY S., US  
[72] STEMEN, RANDY S., US  
[71] PRODUCTION CONTROL UNITS, INC., US  
[22] 2001-06-04  
[43] 2002-01-05  
[30] US (09/610,025) 2000-07-05

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[21] **2,349,939**  
[13] A1

[51] **Int.Cl. 7B05D 1/10 7B60K 15/03 7C08J 7/04**  
[25] EN  
[54] **A METHOD OF PRODUCING A SHAPED ARTICLE HAVING EXCELLENT BARRIER PROPERTIES**  
[54] **METHODE DE FABRICATION D'UN ARTICLE PROFILE AYANT D'EXCELLENTE PROPRIETES BARRIERES**  
[72] WATANABE, TOMOYUKI, JP  
[72] LAMBERT, WILLIAM SCOTT, US  
[72] HAYASHI, NAHOTO, US  
[72] CHAN, HONG-TA JAMES, US  
[71] KURARAY CO., LTD., JP  
[22] 2001-06-08  
[43] 2001-12-30  
[30] US (09/608,011) 2000-06-30  
[30] US (09/813,890) 2001-03-22

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[21] **2,349,992**  
[13] A1

[51] **Int.Cl. 7C09K 11/00 7C09K 11/75**  
[25] EN  
[54] **PROCESS FOR PRODUCING ELECTROLUMINESCENT PHOSPHOR WITH EXTENDED HALF-LIFE**  
[54] **PROCEDE POUR PRODUIRE DU PHOSPHORE ELECTROLUMINESCENT AYANT UNE DEMI-VIE ETENDUE**  
[72] VANDERPOOL, CLARENCE D., US  
[72] GINGERICH, RICHARD G.W., US  
[71] OSRAM SYLVANIA INC., US  
[22] 2001-06-07  
[43] 2002-01-03  
[30] US (09/609,525) 2000-07-03

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[21] **2,350,009**  
[13] A1

[51] **Int.Cl. 7A61F 13/496**  
[25] EN  
[54] **DISPOSABLE PANTS OF TRUNKS-TYPE**  
[54] **CULOTTES JETABLES GENRE CALECON**  
[72] OTSUBO, TOSHIFUMI, JP  
[72] YAMAMOTO, HIROKI, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-06-11  
[43] 2001-12-30  
[30] JP (2000-199025) 2000-06-30

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[21] **2,350,088**  
[13] A1

[51] **Int.Cl. 7G02B 6/44 7H05K 1/14**  
[25] EN  
[54] **FLEXIBLE CIRCUITS WITH STRAIN RELIEF**  
[54] **CIRCUITS FLEXIBLES AVEC RENFORT**  
[72] DEMANGONE, DREW A., US  
[71] BERG TECHNOLOGY, INC., US  
[22] 2001-06-07  
[43] 2001-12-30  
[30] US (09/608,589) 2000-06-30

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[21] **2,350,090**  
[13] A1

[51] **Int.Cl. 7F16D 27/06**  
[25] EN  
[54] **ELECTROMAGNETIC CLUTCH AND COMPRESSOR EQUIPPED THEREWITH**  
[54] **EMBAYAGE ELECTROMAGNETIQUE ET COMPRESSEUR MUNI DE CE DERNIER**  
[72] HATTORI, MAKOTO, JP  
[72] TOMIMASU, KAZUHIRO, JP  
[72] TANIGAKI, RYUHEI, JP  
[72] SEKITA, MASUMI, JP  
[72] ANDO, HIROHIDE, JP  
[72] KAWADA, MINORU, JP  
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[22] 2001-06-07  
[43] 2001-12-30  
[30] JP (2000-199502) 2000-06-30  
[30] JP (2000-219561) 2000-07-19

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Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002

[21] **2,350,151**  
[13] A1

[51] **Int.Cl. 7F04B 1/24**  
[25] FR  
[54] **POMPE A PISTONS AXIAUX DU TYPE A AXE BRISE**  
[54] **AXIAL PISTON PUMP OF THE BROKEN SHAFT TYPE**  
[72] BUCHETON, DANIEL, FR  
[71] MESSIER-BUGATTI, FR  
[22] 2001-06-12  
[43] 2001-12-30  
[30] FR (00 08482) 2000-06-30

[21] **2,350,184**  
[13] A1

[51] **Int.Cl. 7A01D 34/82**  
[25] EN  
[54] **CONVERTIBLE WIDTH LAWN MOWER**  
[54] **TONDEUSE A GAZON DONT LA LARGEUR EST VARIABLE**  
[72] SCAG, DANE T., US  
[72] BLAND, MARK C., US  
[71] GREAT DANE POWER EQUIPMENT, INC., US  
[22] 2001-06-12  
[43] 2001-12-30  
[30] US (09/607,298) 2000-06-30

[21] **2,350,243**  
[13] A1

[51] **Int.Cl. 7H04N 1/193 7H04N 3/14**  
[25] EN  
[54] **COMPACT MULTIBEAM LASER LIGHT SOURCE AND INTERLEAVING RASTER SCAN LINE METHOD FOR EXPOSING PRINTING PLATES**  
[54] **SOURCE COMPACT DE LUMIERES MULTIFAISCEAU UTILISANT LE LASER ET METHODE DE BALAYAGE LIGNE PAR LIGNE IMBRIQUE POUR L'EXPOSITION DES CLICHES**  
[72] VOSSELER, BERND, DE  
[72] BEIER, BERNARD, DE  
[72] ERNST, UWE, DE  
[71] HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT, DE  
[22] 2001-06-11  
[43] 2001-12-30  
[30] DE (100 31 915.7) 2000-06-30

[21] **2,350,278**  
[13] A1

[51] **Int.Cl. 7A61D 1/00**  
[25] EN  
[54] **UTENSIL FOR EXTRACTING BRAIN MATTER FROM CATTLE**  
[54] **INSTRUMENT POUR EXTRAIRE LA MATIERE CEREBRALE DE BOEUF**  
[72] VENTURINI, MAURICE, FR  
[72] LEGEAI, THIERRY, FR  
[71] S.A.R.L. ARTBOIS, FR  
[22] 2001-06-12  
[43] 2001-12-30  
[30] EP (00401879.2) 2000-06-30

[21] **2,350,284**  
[13] A1

[51] **Int.Cl. 7F42D 1/08**  
[25] EN  
[54] **METHOD AND SYSTEM FOR DELIVERY OF WATER-BASED EXPLOSIVES**  
[54] **METHODE ET SYSTEME POUR TRANSPORTER DES EXPLOSIFS A BASE D'EAU**  
[72] STRYDOM, DERIK, ZA  
[72] AUSTEN, GARY ASHLEY, ZA  
[72] DELAGEY, MARK OWEN, ZA  
[71] SASOL CHEMICAL INDUSTRIES LIMITED, ZA  
[22] 2001-06-12  
[43] 2002-01-03  
[30] US (60/216,158) 2000-07-03

[21] **2,350,290**  
[13] A1

[51] **Int.Cl. 7G02B 6/24 7G02B 6/36**  
[25] EN  
[54] **ADAPTER FOR ASSEMBLING MULTIPLE OPTICAL CONNECTORS**  
[54] **ADAPTATEUR D'ASSEMBLAGE DE MULTIPLES CONNECTEURS OPTIQUES**  
[72] NGO, HUNG VIET, US  
[72] JOHNSON, LEWIS R., US  
[71] BERG TECHNOLOGY, INC., US  
[22] 2001-06-13  
[43] 2001-12-30  
[30] US (09/608,666) 2000-06-30

[21] **2,350,778**  
[13] A1

[51] **Int.Cl. 7H04L 12/56**  
[25] EN  
[54] **IMPROVEMENTS IN OR RELATING TO BUFFER MANAGEMENT**  
[54] **AMELIORATIONS APORTEES A LA GESTION DE MEMOIRES INTERMEDIAIRES OU S'Y RAPPORTANT**  
[72] REEVE, ANDREW, GB  
[71] ROKE MANOR RESEARCH LIMITED, GB  
[22] 2001-06-14  
[43] 2002-01-05  
[30] GB (0016474.9) 2000-07-05  
[30] GB (0024735.3) 2000-10-10

[21] **2,350,906**  
[13] A1

[51] **Int.Cl. 7A45C 5/14**  
[25] EN  
[54] **HOCKEY EQUIPMENT CARRYING BAGS**  
[54] **SACS D'EQUIPEMENT DE HOCKEY**  
[72] GLODICH, JOHN, US  
[71] GLODICH, JOHN, US  
[22] 2001-06-18  
[43] 2001-12-30  
[30] US (09/608,814) 2000-06-30

[21] **2,350,920**  
[13] A1

[51] **Int.Cl. 7B42F 3/04**  
[25] EN  
[54] **DRAWABLE AND/OR TRACEABLE BINDER**  
[54] **RELIEUR A FEUILLES MOBILES SUR LEQUEL ON PEUT DESSINER OU TRACER**  
[72] YAMAMOTO, NORMAN, US  
[72] SARKAR, CHITTO R., US  
[72] SHIH, FRANK YEN-JER, US  
[72] HUANG, ZHISONG, US  
[72] LANDIS, CHRISTINE KAY, US  
[72] CASTILLO, ARTHUR G., US  
[71] AVERY DENNISON CORPORATION, US  
[22] 2001-06-20  
[43] 2001-12-30  
[30] US (09/607,996) 2000-06-30

**Demandes canadiennes mises à la disponibilité du public**  
**30 decembre 2001 - 5 janvier 2002**

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[21] **2,351,020**  
[13] A1

[51] **Int.Cl. 7H04Q 3/52**  
[25] EN  
[54] **IMPROVEMENTS IN OR RELATING TO SWITCHING DEVICES**  
[54] **AMELIORATIONS DESTINEES OU RELATIVES A DES DISPOSITIFS DE COMMUTATION**  
[72] DAVIS, SIMON PAUL, GB  
[72] REEVE, ANDREW, GB  
[71] ROKE MANOR RESEARCH LIMITED, GB  
[22] 2001-06-18  
[43] 2002-01-05  
[30] GB (0016475.6) 2000-07-05  
[30] GB (0024736.1) 2000-10-10

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[21] **2,351,024**  
[13] A1

[51] **Int.Cl. 7H04L 12/56**  
[25] EN  
[54] **IMPROVEMENTS IN OR RELATING TO ROUTING DEVICES**  
[54] **AMELIORATIONS APORTEES AUX DISPOSITIFS D'ACHEMINEMENT OU S'Y RAPPORTANT**  
[72] DAVIS, SIMON PAUL, GB  
[72] REEVE, ANDREW, GB  
[71] ROKE MANOR RESEARCH LIMITED, GB  
[22] 2001-06-18  
[43] 2002-01-05  
[30] GB (0016476.4) 2000-07-05  
[30] GB (0024737.9) 2000-10-10

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[21] **2,351,073**  
[13] A1

[51] **Int.Cl. 7A01K 1/12 7A01J 5/00**  
[25] EN  
[54] **CLUSTER PRE-LIFT FOR MILKING PARLOR**  
[54] **SOULEVATEUR DE POSTE DE TRAITE POUR LOCAL DE TRAITE**  
[72] EPPERS, PAUL A., US  
[71] DEC INTERNATIONAL, INC., US  
[22] 2001-06-19  
[43] 2001-12-30  
[30] US (09/607,231) 2000-06-30

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[21] **2,351,104**  
[13] A1

[51] **Int.Cl. 7D04H 1/56**  
[25] EN  
[54] **APPARATUS FOR MAKING NONWOVEN FABRIC**  
[54] **DISPOSITIF DE FABRICATION DE TISSU NON TISSE**  
[72] YOSHIDA, MASAKI, JP  
[71] UNI-CHARM CORPORATION, JP  
[22] 2001-06-18  
[43] 2002-01-05  
[30] JP (2000-204399) 2000-07-05

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[21] **2,351,153**  
[13] A1

[51] **Int.Cl. 7C22F 1/10 7B21D 37/00**  
[25] EN  
[54] **HEAT TREATMENT OF RENE 95 DIE INSERTS**  
[54] **TRAITEMENT THERMIQUE DE FILIERES RENE 95**  
[72] ROWE, RAYMOND GRANT, US  
[72] MIKA, DAVID PETER, US  
[72] MAJORELL, ARNE RONALD, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2001-06-21  
[43] 2001-12-30  
[30] US (60/215,601) 2000-06-30  
[30] US (09/825,128) 2001-04-03

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[21] **2,351,266**  
[13] A1

[51] **Int.Cl. 7E04F 13/00 7E04B 1/38**  
[25] EN  
[54] **SIDING BOARDS ATTACHMENT STRUCTURE, SEALING MEMBER USED FOR THE SAME, SIDING BOARD, AND METHOD OF ATTACHING SIDING BOARDS**  
[54] **STRUCTURE DE FIXATION DE PANNEAUX DE RECOUVREMENT, PIECE ETANCHE CONNEXE, PANNEAU DE RECOUVREMENT, ET METHODE DE FIXATION DES PANNEAUX**  
[72] ITO, HIROSHI, JP  
[71] NICHIIHA CO., LTD., JP  
[22] 2001-06-26  
[43] 2001-12-30  
[30] JP (197997/2000) 2000-06-30

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[21] **2,351,268**  
[13] A1

[51] **Int.Cl. 7H04B 10/17 7H01S 5/50**  
[25] EN  
[54] **RAMAN AMPLIFIER WITH GAIN ENHANCEMENT FROM OPTICAL FILTERING**  
[54] **AMPLIFICATEUR RAMAN AVEC AMELIORATION DU GAIN GRACE A DU FILTRAGE OPTIQUE**  
[72] TOULOUSE, JEAN, US  
[72] MCINTOSH, CHRISTOPHER MICHAEL, US  
[72] DELAVALUX, JEAN-MARC PIERRE, US  
[72] CHRISTODOULIDES, DEMETRIOS NICOLAU, US  
[71] LUCENT TECHNOLOGIES, INC., US  
[71] LEHIGH UNIVERSITY, US  
[22] 2001-06-22  
[43] 2001-12-30  
[30] US (09/607,616) 2000-06-30

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[21] **2,351,281**  
[13] A1

[51] **Int.Cl. 7B64D 27/26**  
[25] EN  
[54] **LINK COMPONENT FOR AIRCRAFT ENGINE MOUNTING SYSTEMS**  
[54] **BIELLE POUR SYSTEMES DE MONTAGE DE MOTEURS D'AVION**  
[72] JOSEPH, THOMAS PETER, US  
[72] FRANCESCHELLI, ANTHONY JOHN, US  
[72] DYKHUIZEN, CORNELIUS HARM, US  
[72] MANTEIGA, JOHN ALAN, US  
[72] BOGER, ETHAN, US  
[72] WILUSZ, CHRISTOPHER JAMES, US  
[72] TROUP, ROBERT EUGENE, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2001-06-21  
[43] 2001-12-30  
[30] US (09/608,480) 2000-06-30

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Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002

[21] **2,351,284**  
[13] A1

[51] **Int.Cl. 7F01D 5/30**  
[25] EN  
[54] **CORNER TANG FAN BLADE**  
[54] **SOIE D'ANGLE POUR PALE DE VENTILATEUR**  
[72] ANDERSON, BERNARD JOSEPH, US  
[72] NUSSBAUM, JEFFREY HOWARD, US  
[72] GOMEZ, JUAN MARIO, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2001-06-21  
[43] 2001-12-30  
[30] US (09/607,490) 2000-06-30

[21] **2,351,299**  
[13] A1

[51] **Int.Cl. 7E04F 15/00 7E04B 5/00 7E04F 21/20**  
[25] EN  
[54] **PROCESS OF LAYING FLOORBOARDS**  
[54] **PROCESSUS DE MISE EN PLACE DE PLANCHES DE PLANCHERS**  
[72] TYCHSEN, DETLEF, DE  
[71] KRONOTEC AG, CH  
[22] 2001-06-26  
[43] 2001-12-30  
[30] EP (00113843.7) 2000-06-30

[21] **2,351,302**  
[13] A1

[51] **Int.Cl. 7F16H 55/48**  
[25] EN  
[54] **PULLEY TYRE AND RIM**  
[54] **PNEU A POULIE ET JANTE**  
[72] JOHNSON, WILLIAM, AU  
[71] JLV INDUSTRIES PTY LTD., AU  
[22] 2001-06-26  
[43] 2002-01-05  
[30] AU (45049/00) 2000-07-05

[21] **2,351,493**  
[13] A1

[51] **Int.Cl. 7G09B 23/02**  
[25] FR  
[54] **MATERIEL EDUCATIF D'ENSEIGNEMENT DU CALCUL EN PARTICULIER DU CONCEPT DES NOMBRES SIMPLES ET DES OPERATIONS ELEMENTAIRES D'ADDITION ET DE SOUSTRACTION**  
[54] **EDUCATION MATERIAL FOR TEACHING ARITHMETIC, PARTICULARLY THE CONCEPT OF SIMPLE NUMBERS AND THE ELEMENTARY OPERATIONS OF ADDING AND SUBTRACTING**  
[72] DE CALAN, DIDIER, FR  
[71] VIVENDI UNIVERSAL EDUCATION FRANCE, FR  
[22] 2001-06-20  
[43] 2001-12-30  
[30] FR (00 08476) 2000-06-30

[21] **2,351,503**  
[13] A1

[51] **Int.Cl. 7H04L 12/46 7H04L 12/56**  
[25] FR  
[54] **PROCEDE DE ROUTAGE DE TRAME IP ENTRE LES USAGERS D'UN RESEAU A GRAPHE VARIABLE**  
[54] **IP FIELD ROUTING PROCESS BETWEEN USERS OF A VARIABLE GRAPHICS NETWORK**  
[72] DELATTRE, MICHEL, FR  
[72] BAVANT, MARC, FR  
[71] THALES, FR  
[22] 2001-06-26  
[43] 2001-12-30  
[30] FR (00 08514) 2000-06-30

[21] **2,351,507**  
[13] A1

[51] **Int.Cl. 7A44B 19/30**  
[25] EN  
[54] **SLIDER FOR SLIDE FASTENER WITH LOCKING DEVICE**  
[54] **CURSEUR DE FERMETURE A GLISSIERE AVEC DISPOSITIF DE BLOCAGE**  
[72] YAMAGISHI, KOJI, JP  
[71] YKK CORPORATION, JP  
[22] 2001-06-26  
[43] 2001-12-30  
[30] JP (2000-199479) 2000-06-30

[21] **2,351,510**  
[13] A1

[51] **Int.Cl. 7B21C 37/00**  
[25] EN  
[54] **PROCESS FOR THE PRODUCTION OF MULTI-THICKNESS AND/OR MULTI-MATERIAL BLANKS**  
[54] **PROCESSUS DE PRODUCTION D'UNE EBAUCHE A COUCHES MULTIPLES ET/OU A MATERIAUX MULTIPLES**  
[72] DELLE PIANE, ALBERTO, IT  
[72] MACCHI, DUILIO, IT  
[71] PRIMA INDUSTRIE SPA, IT  
[22] 2001-06-26  
[43] 2001-12-30  
[30] IT (TO2000A000648) 2000-06-30

[21] **2,351,560**  
[13] A1

[51] **Int.Cl. 7F28F 27/00**  
[25] EN  
[54] **FLUID CONTROL SYSTEM WITH AUTONOMOUSLY CONTROLLED VALVES**  
[54] **DISPOSITIF DE REGULATION DU FLUIDE AVEC SOUPAPES AUTOREGULEES**  
[72] HOYLE, SCOTT BAXTER, US  
[72] MCSWEENEY, MICHAEL ANTHONY, US  
[71] LOCKHEED MARTIN CORPORATION, US  
[22] 2001-06-26  
[43] 2001-12-30  
[30] US (09/608,829) 2000-06-30

[21] **2,351,699**  
[13] A1

[51] **Int.Cl. 7G01F 1/05**  
[25] EN  
[54] **FLOWMETER**  
[54] **DEBITMETRE**  
[72] SAAR, DAVID A., US  
[71] SAAR, DAVID A., US  
[22] 2001-06-26  
[43] 2001-12-30  
[30] US (09/607,480) 2000-06-30

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**30 decembre 2001 - 5 janvier 2002**

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[21] **2,351,701**  
[13] A1

[51] **Int.Cl. 7G06F 9/44 7G06F 17/21**  
[25] EN  
[54] **SYSTEM AND METHOD FOR IMPLEMENTING A NATURAL LANGUAGE USER INTERFACE**  
[54] **SYSTEME ET METHODE D'APPLICATION D'UNE INTERFACE-UTILISATEUR EN LANGAGE NATUREL**  
[72] LAZARIDIS, MIHAL, CA  
[72] BROWN, MICHAEL, CA  
[71] RESEARCH IN MOTION LIMITED, CA  
[22] 2001-06-26  
[43] 2001-12-30  
[30] US (60/215,222) 2000-06-30

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[21] **2,351,767**  
[13] A1

[51] **Int.Cl. 7A61J 1/14 7A61J 1/20**  
[25] EN  
[54] **CYLINDRICAL VIAL WITH BOTTOM FOR MEDICINE**  
[54] **FLACON CYLINDRIQUE AVEC FOND POUR MEDICAMENTS**  
[72] SUDO, MORIHIRO, JP  
[71] DAIKYO SEIKO, LTD., JP  
[22] 2001-06-27  
[43] 2002-01-04  
[30] JP (2000-201936) 2000-07-04

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[21] **2,351,775**  
[13] A1

[51] **Int.Cl. 7H01S 5/50 7H04B 10/17**  
[25] EN  
[54] **OPTICAL AMPLIFIER, LIGHT SOURCE MODULE AND OPTICAL SYSTEM**  
[54] **AMPLIFICATEUR OPTIQUE, MODULE D'ECLAIRAGE ET SYSTEME OPTIQUE**  
[72] KATAYAMA, ETSUJI, JP  
[72] IRIE, YUICHIRO, JP  
[72] SHIMIZU, TAKEOIS, JP  
[72] AOYAGI, HIDEO, JP  
[72] TSUDA, TOSHIKI, JP  
[72] YAMAGUCHI, TAKEHARU, JP  
[71] FURUKAWA ELECTRIC CO., LTD., JP  
[22] 2001-06-27  
[43] 2001-12-30  
[30] JP (2000-197548) 2000-06-30

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[21] **2,351,776**  
[13] A1

[51] **Int.Cl. 7E06B 3/964 7E06B 3/48**  
[25] EN  
[54] **BIFOLD DOOR FITTING**  
[54] **RACCORD POUR PORTE PLIANTE**  
[72] NIPPER, JUANDA J., US  
[72] STAFFORD, STEPHANIE A., US  
[71] NIPPER, JUANDA J., US  
[71] STAFFORD, STEPHANIE A., US  
[22] 2001-06-26  
[43] 2002-01-03  
[30] US (09/609,794) 2000-07-03

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[21] **2,351,781**  
[13] A1

[51] **Int.Cl. 7B60C 11/12**  
[25] FR  
[54] **BANDE DE ROULEMENT POUR PNEUMATIQUE PORTANT DE LOURDES CHARGES**  
[54] **TREAD FOR HEAVY-DUTY TIRE**  
[72] MERINO-LOPEZ, JOSE, FR  
[71] MICHELIN RECHERCHE ET TECHNIQUE S.A., CH  
[22] 2001-06-28  
[43] 2002-01-03  
[30] FR (00 08 650) 2000-07-03

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[21] **2,351,784**  
[13] A1

[51] **Int.Cl. 7H01H 33/42**  
[25] FR  
[54] **BIELLE DE MANOEUVRE POUR DISJONCTEUR HAUTE TENSION**  
[54] **HANDLING ROD FOR HIGH VOLTAGE CIRCUIT BREAKER**  
[72] MAHL, MAURICE, FR  
[72] WILLIEME, JEAN-MARC, FR  
[71] ALSTOM, FR  
[22] 2001-06-28  
[43] 2002-01-03  
[30] FR (00 08 618) 2000-07-03

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[21] **2,351,789**  
[13] A1

[51] **Int.Cl. 7C07C 33/048 7C07C 29/56**  
[25] EN  
[54] **ISOMERIZATION OF A PENTOL**  
[54] **ISOMERISATION D'UN PENTOL**  
[72] SIMON, WERNER, CH  
[72] GRUENDLER, HANSJOERG, CH  
[72] GLOOR, ARNOLD, CH  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[22] 2001-06-26  
[43] 2001-12-30  
[30] EP (00 113 884.1) 2000-06-30

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[21] **2,351,794**  
[13] A1

[51] **Int.Cl. 7A61F 2/06**  
[25] EN  
[54] **ENDOLUMINAL PROSTHESIS FOR TREATMENT OF TISSUE SEPARATION CONDITION**  
[54] **PROTHESE ENDOLUMINALE POUR LE TRAITEMENT DE LA SEPARATION DES TISSUS**  
[72] HILL, BRADLEY B., US  
[72] FOGARTY, THOMAS J., US  
[72] KLUMB, KATHERINE J., US  
[72] KAMDAR, KIRTI P., US  
[71] VASCULAR ARCHITECTS, INC., US  
[22] 2001-06-28  
[43] 2001-12-30  
[30] US (09/608,281) 2000-06-30

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[21] **2,351,799**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7G06F 17/60**  
[25] EN  
[54] **METHOD FOR AN ONLINE MULTIPLE PLAYER GAME PAYMENT SYSTEM**  
[54] **METHODE VISANT UN SYSTEME DE PAIEMENT EN LIGNE DE JEUX A MULTIPLES JOUEURS**  
[72] MORAND, ADAM JASON, CA  
[72] PETERSON, RANDALL STANLEY ERNEST, CA  
[72] WHITE, STEPHEN MATTHEW, CA  
[71] CYOP SYSTEMS INC., BB  
[22] 2001-06-27  
[43] 2001-12-30  
[30] US (60/215,080) 2000-06-30

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[21] **2,351,814**  
[13] A1

[51] **Int.Cl. 7A61K 47/38 7A61K 31/192 7A61K 9/36**  
[25] EN  
[54] **TASTE-MASKED PHARMACEUTICAL PARTICLES**  
[54] **PARTICULES PHARMACEUTIQUES A GOUT DEGUISE**  
[72] PARIKH, NARENDRA, US  
[72] MCTEIGUE, DANIEL, US  
[72] WYNN, DAVID W., US  
[72] PILLAI, RAVIVAJ S., US  
[71] MCNEIL-PPC, INC., US  
[22] 2001-06-28  
[43] 2001-12-30  
[30] US (60/215,505) 2000-06-30

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Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002

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[21] **2,351,823**  
[13] A1  
[51] **Int.Cl. 7F16M 13/02 7B64D 47/00**  
[25] EN  
[54] **EYEPIECE-SUPPORT ARM ASSEMBLY DEVICE ON AN AIRCRAFT SUCH AS A ROTARY AIRCRAFT**  
[54] **BRAS DE SOUTIEN DES OCULAIRES SUR UN AVION COMME PAR EXEMPLE UN AVION A AILES ORIENTALES**  
[72] FONTAINE, BERNARD, FR  
[71] AEROSPATIALE MATRA MISSILES, FR  
[22] 2001-06-28  
[43] 2002-01-03  
[30] FR (00 08629) 2000-07-03

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[21] **2,351,829**  
[13] A1  
[51] **Int.Cl. 7C07H 17/08 7C07H 23/00 7A61P 33/02 7A61P 31/04 7A61K 31/7056 7A61K 31/706**  
[25] EN  
[54] **MACROLIDE ANTIBIOTICS**  
[54] **ANTIBIOTIQUES MACROLIDES**  
[72] MCMILLEN, WILLIAM THOMAS, US  
[72] KANEKO, TAKUSHI, US  
[71] PFIZER PRODUCTS INC., US  
[22] 2001-06-27  
[43] 2001-12-30  
[30] US (60/215,237) 2000-06-30

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[21] **2,351,842**  
[13] A1  
[51] **Int.Cl. 7G10L 13/00**  
[25] EN  
[54] **SYNTHESIS-BASED PRE-SELECTION OF SUITABLE UNITS FOR CONCATENATIVE SPEECH**  
[54] **PRESELECTION D'UNITES CONVENABLES AXEE SUR LA SYNTHESE POUR LE DISCOURS ENCHAINE**  
[72] CONKIE, ALISTAIR D., US  
[71] AT&T CORP., US  
[22] 2001-06-28  
[43] 2002-01-05  
[30] US (09/609,889) 2000-07-05

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[21] **2,351,876**  
[13] A1  
[51] **Int.Cl. 7A61B 3/06 7G06F 19/00 7A61B 3/18**  
[25] EN  
[54] **FLICKER AND FREQUENCY DOUBLING IN VIRTUAL REALITY**  
[54] **DOUBLAGE DU SCINTILLEMENT ET DE LA FREQUENCE EN REALITE VIRTUELLE**  
[72] MCCLURE, RICHARD J., US  
[72] MASSENGILL, R. KEMP, US  
[72] WROBLEWSKI, DARIUSZ, US  
[71] MCCLURE, RICHARD J., US  
[71] MASSENGILL, R. KEMP, US  
[71] WROBLEWSKI, DARIUSZ, US  
[22] 2001-06-28  
[43] 2002-01-03  
[30] US (60/215,724) 2000-07-03

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[21] **2,351,879**  
[13] A1  
[51] **Int.Cl. 7H01H 9/10 7H01H 85/30**  
[25] EN  
[54] **COMPACT FUSED DISCONNECT SWITCH**  
[54] **SECTIONNEUR A FUSIBLES COMPACT**  
[72] SCOGGIN, B. HEATH, US  
[72] MOLLET, RONALD E., US  
[72] TORREZ, JAIME ALBERTO, US  
[71] COOPER TECHNOLOGIES COMPANY, US  
[22] 2001-06-28  
[43] 2001-12-30  
[30] US (60/215,441) 2000-06-30

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[21] **2,351,895**  
[13] A1  
[51] **Int.Cl. 7H01R 39/14 7H02K 47/18**  
[25] EN  
[54] **SLIP-RING MOUNTING ASSEMBLY FOR HIGH-POWER ROTARY CURRENT COLLECTOR SYSTEM**  
[54] **ENSEMBLE DE FIXATION DE BAGUE COLLECTRICE POUR BARRE HAUTE PUISSANCE DE FROTTEMENT DE COURANT TRIPHASE**  
[72] MARTIN, WAYNE JEROME, CA  
[72] REHDER, ROBERT HENRY, CA  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2001-06-28  
[43] 2001-12-30  
[30] US (60/215,670) 2000-06-30  
[30] US (09/731,877) 2000-12-08  
[30] US (09/731,879) 2000-12-08  
[30] US (09/731,875) 2000-12-08

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[21] **2,351,899**  
[13] A1  
[51] **Int.Cl. 7H04M 3/493 7G10L 15/00 7H04Q 7/38**  
[25] EN  
[54] **METHOD OF USING SPEECH RECOGNITION TO INITIATE A WIRELESS APPLICATION PROTOCOL (WAP) SESSION**  
[54] **METHODE D'UTILISATION DE LA RECONNAISSANCE DE LA PAROLE POUR AMORCER UNE SESSION AVEC PROTOCOLE D'APPLICATION SANS FIL**  
[72] GALLAGHER, WARREN, CA  
[72] GRIFFIN, SHAWN, CA  
[72] FAST, LISA, CA  
[71] MITEL KNOWLEDGE CORPORATION, CA  
[22] 2001-06-29  
[43] 2001-12-30  
[30] GB (0016144.8) 2000-06-30

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[21] **2,351,909**  
[13] A1  
[51] **Int.Cl. 7B65D 21/00**  
[25] EN  
[54] **MULTI-PACK NESTABLE CASE**  
[54] **BOITE D'EMBALLAGE DE REGROUPEMENT EMPILABLE**  
[72] HAMMETT, ROY, US  
[71] NORSEMAN PLASTICS LIMITED, CA  
[22] 2001-06-29  
[43] 2001-12-30  
[30] US (09/607,966) 2000-06-30

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[21] **2,351,911**  
[13] A1  
[51] **Int.Cl. 7B60L 3/00 7G01R 22/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR DETERMINING THE OPERATIONAL ENERGY COST OF A HYBRID VEHICLE**  
[54] **METHODE ET APPAREIL POUR DETERMINER LE COUT D'ENERGIE OPERATIONNEL D'UN VEHICULE HYBRIDE**  
[72] WINSTEAD, VINCENT, US  
[71] FORD GLOBAL TECHNOLOGIES, INC., US  
[22] 2001-06-28  
[43] 2001-12-30  
[30] US (09/607,698) 2000-06-30

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**30 decembre 2001 - 5 janvier 2002**

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[21] **2,351,912**  
[13] A1

[51] **Int.Cl. 7B23K 35/26**  
[25] EN  
[54] **PB-FREE SOLDERING ALLOY**  
**ALLIAGE DE SOUDURE SANS**  
**PLOMB**  
[72] INAZAWA, TSUGUO, JP  
[72] SAWAMURA, TADASHI, JP  
[72] KOMIYA, HISASHI, JP  
[72] NAKAGAWA, FUJIO, JP  
[71] NIHON ALMIT CO., LTD., JP  
[22] 2001-06-27  
[43] 2001-12-30  
[30] JP (2000-199074) 2000-06-30

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[21] **2,351,917**  
[13] A1

[51] **Int.Cl. 7A61F 2/06**  
[25] EN  
[54] **ENHANCEMENT OF AV FISTULA**  
**FUNCTION**  
**AMELIORATION DE LA**  
**FONCTION D'UNE FISTULE**  
**AURICULO- VENTRICULAIRE**  
[72] FOGARTY, THOMAS J., US  
[71] VASCULAR ARCHITECTS, INC., US  
[22] 2001-06-28  
[43] 2001-12-30  
[30] US (09/608,734) 2000-06-30

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[21] **2,351,924**  
[13] A1

[51] **Int.Cl. 7A45D 34/00**  
[25] FR  
[54] **DISPOSITIF POUR**  
**L'APPLICATION D'UN PRODUIT SUR**  
**LES FIBRES KERATINIQUES,**  
**NOTAMMENT LES CILS OU LES**  
**SOURCILS**  
[54] **DEVICE FOR APPLYING A**  
**PRODUCT ON KERATIN FIBERS,**  
**SUCH AS EYELASHES OR EYEBROWS**  
[72] GUERET, JEAN-LOUIS H., FR  
[71] L'OREAL, FR  
[22] 2001-06-29  
[43] 2001-12-30  
[30] FR (00 08 504) 2000-06-30

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[21] **2,351,927**  
[13] A1

[51] **Int.Cl. 7E04C 1/00**  
[25] EN  
[54] **MODULAR TENON AND SLOT**  
**MORTISE BUILDING BLOCKS FOR**  
**HABITABLE SHELTERS**  
[54] **ELEMENTS MODULAIRES A**  
**TENON ET MORTAISE**  
**LONGITUDINALE POUR ABRIS**  
**HABITABLES**  
[72] AL-GHITTA, ALI KASHIF, US  
[71] AL-GHITTA, ALI KASHIF, US  
[22] 2001-06-29  
[43] 2002-01-03  
[30] US (60/216,151) 2000-07-03

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[21] **2,351,929**  
[13] A1

[51] **Int.Cl. 7C09D 5/46 7C09D 177/02**  
**7C09D 177/06**  
[25] EN  
[54] **ELECTROSTATIC COATING OF**  
**MOLDINGS WITH THERMOPLASTIC**  
**AND CROSSLINKABLE**  
**COPOLYAMIDE HOT-MELT**  
**ADHESIVES**  
[54] **REVETEMENT**  
**ELECTROSTATIQUE DE MOULURES**  
**A L'AIDE D'ADHESIFS DE**  
**COPOLYAMIDES THERMOFUSIBLES,**  
**THERMOPLASTIQUES ET RETICULES**  
[72] LOSENSKY, HANS-WILLI, DE  
[72] SIMON, ULRICH, DE  
[72] WATERKAMP, PAUL-LUDWIG, DE  
[71] DEGUSSA-HULS  
AKTIENGESELLSCHAFT, DE  
[22] 2001-06-29  
[43] 2002-01-01  
[30] DE (100 32 075.9) 2000-07-01

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[21] **2,351,931**  
[13] A1

[51] **Int.Cl. 7F16H 7/06**  
[25] EN  
[54] **LOW NOISE ROLLER CHAIN**  
**CHAINE A ROULEAUX A FAIBLE**  
**BRUIT**  
[72] NORO, HIROFUMI, JP  
[72] SUGITA, HARUOMI, JP  
[72] SEKITA, MASAHIKO, JP  
[72] SEGAMI, HIDEAKI, JP  
[72] KUROKAWA, YOSHIO, JP  
[72] MUKAI, YASUAKI, JP  
[71] DAIDO KOGYO CO., LTD., JP  
[22] 2001-06-27  
[43] 2001-12-30  
[30] JP (2000-198404) 2000-06-30

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[21] **2,351,936**  
[13] A1

[51] **Int.Cl. 7H01T 13/20**  
[25] EN  
[54] **SPARK PLUG AND MOUNTING**  
**STRUCTURE OF THE SAME**  
[54] **BOUGIE D'ALLUMAGE ET**  
**STRUCTURE DE FIXATION CONNEXE**  
[72] SUZUKI, TAKAHIRO, JP  
[71] NGK SPARK PLUG CO., LTD., JP  
[22] 2001-06-29  
[43] 2001-12-30  
[30] JP (2000-199191) 2000-06-30

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[21] **2,351,953**  
[13] A1

[51] **Int.Cl. 7C09D 5/44 7C09D 11/02**  
**7G03G 9/097 7C09D 5/46**  
[25] EN  
[54] **USE OF IRON AZO COMPLEX**  
**COMPOUNDS AS CHARGE CONTROL**  
**AGENTS**  
[54] **UTILISATION DE COMPOSES**  
**FERREUX AZOIQUES COMPLEXES**  
**COMME AGENTS DE CONTROLE DE**  
**LA CHARGE**  
[72] BAUR, RUEDIGER, DE  
[72] PFLIEGER, DOMINIQUE, DE  
[72] MACHOLDT, HANS-TOBIAS, DE  
[72] MICHEL, EDUARD, DE  
[72] KAUL, BANSI LAI, DE  
[71] CLARIANT GMBH, DE  
[22] 2001-06-29  
[43] 2002-01-01  
[30] DE (10032138.0) 2000-07-01

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[21] **2,351,956**  
[13] A1

[51] **Int.Cl. 7B62B 7/04**  
[25] EN  
[54] **INTERCONNECTED PIVOTING**  
**WHEEL SYSTEM WITH BUILT-IN**  
**SUSPENSION FOR BABY PRAMS**  
[54] **SYSTEME DE ROUES**  
**PIVOTANTES RELIEES ENTRE ELLES,**  
**AVEC SUSPENSION INTEGREE, POUR**  
**VOITURES D'ENFANT**  
[72] SANTOS, EMANUEL, PT  
[72] FERREIRA, VALDEMAR, PT  
[71] BEBECAR - UTILIDADES PARA  
CRIANCA, LDA, PT  
[22] 2001-06-28  
[43] 2001-12-30  
[30] PT (9 636) 2000-06-30



Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002

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[21] **2,351,960**  
[13] A1  
[51] **Int.Cl. 7G01F 1/68 7B67D 5/08 7G01F 1/696**  
[25] EN  
[54] **METHOD OF DETERMINING THE THROUGHFLOW OF A GAS MIXTURE**  
[54] **METHODE POUR DETERMINER LE DEBIT TRAVERSIER D'UN MELANGE GAZEUX**  
[72] SCHRITTENLACHER, WOLFGANG, DE  
[72] KUNTER, STEFAN, DE  
[71] FAFNIR GMBH, DE  
[22] 2001-06-29  
[43] 2001-12-30  
[30] DE (100 31 813.4) 2000-06-30

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[21] **2,351,972**  
[13] A1  
[51] **Int.Cl. 7E05B 65/52**  
[25] EN  
[54] **BOX LOCK THAT IS RELEASABLE FROM INSIDE AND OUTSIDE OF BOX**  
[54] **MECANISME DE COFFRE, DECLENCHABLE DE L'INTERIEUR ET DE L'EXTERIEUR DU COFFRE**  
[72] FUKUTA, MASAKAZU, JP  
[72] SEKI, YOSHIYUKI, JP  
[71] KABUSHIKI KAISHA TOKAI RIKAI DENKI SEISAKUSHO, JP  
[22] 2001-06-29  
[43] 2001-12-30  
[30] JP (2000-198178) 2000-06-30

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[21] **2,351,984**  
[13] A1  
[51] **Int.Cl. 7H04Q 7/36 7H04Q 7/24**  
[25] EN  
[54] **PROPAGATION ENVIRONMENT NOTIFICATION METHODS AND NOTIFICATION SYSTEMS IN RADIO COMMUNICATION SYSTEMS, AND RECORD MEDIA RECORDING CONTROL PROGRAMS THEREOF**  
[54] **METHODES DE NOTIFICATION DE MILIEUX DE PROPAGATION ET SYSTEMES DE NOTIFICATION DANS DES SYSTEMES DE TRANSMISSION RADIO, ET PROGRAMME CONNEXE DE COMMANDE D'ENREGISTREMENT DE SUPPORTS D'ENREGISTREMENT**  
[72] FURUKAWA, HIROSHI, JP  
[72] WATANABE, YOSHINORI, JP  
[72] YAMAZAKI, SHUNTARO, JP  
[72] OKANOUE, KAZUHIRO, JP  
[71] NEC CORPORATION, JP  
[22] 2001-06-29  
[43] 2001-12-30  
[30] JP (2000-198057) 2000-06-30  
[30] JP (2000-304293) 2000-10-04  
[30] JP (2000-322072) 2000-10-23  
[30] JP (2001-057579) 2001-03-02

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[21] **2,351,988**  
[13] A1  
[51] **Int.Cl. 7G10L 13/06**  
[25] EN  
[54] **METHOD AND SYSTEM FOR PRESELECTION OF SUITABLE UNITS FOR CONCATENATIVE SPEECH**  
[54] **METHODE ET SYSTEME DE PRESELECTION D'UNITES CONVENABLES DE PAROLES ENCHAINEES**  
[72] CONKIE, ALISTAIR D., US  
[71] AT&T CORP., US  
[22] 2001-06-26  
[43] 2001-12-30  
[30] US (09/607,615) 2000-06-30

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[21] **2,351,992**  
[13] A1  
[51] **Int.Cl. 7H01H 37/00 7B81B 7/00**  
[25] EN  
[54] **MICROELECTROMECHANICAL ACTUATORS INCLUDING SINUOUS BEAM STRUCTURES**  
[54] **ACTIONNEURS MICROELECTROMECHANIQUES COMPRENANT DES STRUCTURES DE MICRO-POUTRE ONDULEES**  
[72] MAHADEVAN, RAMASWAMY, US  
[72] WOOD, ROBERT L., US  
[72] COWEN, ALLEN BRUCE, US  
[72] DHULER, VIJAYAKUMAR RUDRAPPA, US  
[72] HILL, EDWARD ARTHUR, US  
[71] JDS UNIPHASE CORPORATION, US  
[22] 2001-06-25  
[43] 2002-01-05  
[30] US (09/610,047) 2000-07-05

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[21] **2,351,997**  
[13] A1  
[51] **Int.Cl. 7H04L 12/16 7H04L 12/22 7G06F 17/60**  
[25] EN  
[54] **ELECTRONIC FILE MANGEMENT SYSTEM**  
[54] **SYSTEME DE GESTION DE FICHIERS ELECTRONIQUES**  
[72] UCHIDA, JIYUNJI, JP  
[72] HARA, YOSHINOBU, JP  
[71] HONDA GIKEN KOGYO KABUSHIKI KAISHA, JP  
[22] 2001-06-29  
[43] 2002-01-04  
[30] JP (2000-201708) 2000-07-04  
[30] JP (2000-209213) 2000-07-11

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[21] **2,352,002**  
[13] A1  
[51] **Int.Cl. 7B23B 27/00**  
[25] EN  
[54] **CUTTING TOOL AND METHOD OF LOCATING CUTTING INSERT**  
[54] **OUTIL DE COUPE ET METHODE POUR REPERER L'ELEMENT DE COUPE ENCASTRE**  
[72] SANTIMAW, EDWARD, US  
[72] REITERMAN, LEE, US  
[72] POWELL, FOYE, US  
[72] KOCHEROVSKY, YEVGENY, US  
[71] VALENITE INC., US  
[22] 2001-07-03  
[43] 2002-01-03  
[30] US (09/609,522) 2000-07-03

**Demandes canadiennes mises à la disponibilité du public**  
**30 decembre 2001 - 5 janvier 2002**

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[21] **2,352,005**  
[13] A1

[51] **Int.Cl. 7A61K 35/78 7A61P 3/10 7A61K 31/704**  
[25] EN  
[54] **EXTRACTS, COMPOUNDS & PHARMACEUTICAL COMPOSITIONS HAVING ANTI-DIABETIC ACTIVITY AND THEIR USE**  
[54] **EXTRAITS, COMPOSES ET COMPOSITIONS PHARMACEUTIQUES AVEC ACTIVITE ANTIDIABETIQUE, ET LEUR UTILISATION**  
[72] BINDRA, JASJIT SINGH, US  
[72] CAWTHORNE, MICHAEL ANTHONY, GB  
[72] RUBIN, IAN DUNCAN, GB  
[71] PHYTOPHARM PLC, GB  
[22] 2001-06-27  
[43] 2001-12-30  
[30] GB (0016213.1) 2000-06-30

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[21] **2,352,007**  
[13] A1

[51] **Int.Cl. 7B26B 19/04**  
[25] EN  
[54] **ELECTRIC SHAVER**  
[54] **RASOIR ELECTRIQUE**  
[72] MOMOSE, KAZUHIRO, JP  
[72] HIRABAYASHI, AKIRA, JP  
[71] IZUMI PRODUCTS COMPANY, JP  
[22] 2001-06-29  
[43] 2001-12-30  
[30] JP (2000-197433) 2000-06-30

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[21] **2,352,009**  
[13] A1

[51] **Int.Cl. 7H04B 1/16**  
[25] EN  
[54] **LOW POWER RF RECEIVER WITH REDISTRIBUTION OF SYNCHRONISATION TASKS**  
[54] **RECEVEUR RF DE FAIBLE PUISSANCE AVEC REDISTRIBUTION DES TACHES DE SYNCHRONISATION**  
[72] ETIENNE, JEAN-DANIEL, CH  
[72] FARINE, PIERRE-ANDRE, CH  
[72] RIEM-VIS, RUUD, CH  
[72] FIROUZI, ELHAM, CH  
[71] ASULAB S.A., CH  
[22] 2001-07-03  
[43] 2002-01-04  
[30] CH (1322/00) 2000-07-04

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[21] **2,352,012**  
[13] A1

[51] **Int.Cl. 7G07D 7/06**  
[25] EN  
[54] **HANDSENSOR FOR AUTHENTICITY IDENTIFICATION OF SIGNETS ON DOCUMENTS**  
[54] **DETECTEUR MANUEL POUR DETERMINER L'AUTHEMTCITE DES SCEAUX SUR LES DOCUMENTS**  
[72] AHLERS, BENEDIKT, DE  
[72] GUTMANN, ROLAND, DE  
[72] HALTER, PETER, DE  
[72] PAESCHKE, MANFRED, DE  
[72] BAILLEU, ANETT, DE  
[72] FRANZ-BURGHOLZ, ARNIM, DE  
[72] ZERBEL, HANS, DE  
[72] WEBER, UWE, DE  
[71] BUNDESDRUCKEREI GMBH, DE  
[71] BAUMER ELECTRIC AG, DE  
[22] 2001-07-03  
[43] 2002-01-03  
[30] DE (100 31 388.4) 2000-07-03

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[21] **2,352,016**  
[13] A1

[51] **Int.Cl. 7D21F 3/02**  
[25] EN  
[54] **MACHINE AND PROCESS FOR PRODUCING A FIBROUS MATERIAL WEB**  
[54] **MACHINE ET PROCEDE POUR PRODUIRE UN VOILE DE MATIERES FIBREUSES**  
[72] STEINER, KARL, DE  
[72] SCHMIDT-HEBBEL, HARALD, BR  
[72] THOROE SCHERB, THOMAS, BR  
[71] VOITH PAPER PATENT GMBH, DE  
[22] 2001-07-03  
[43] 2002-01-03  
[30] DE (DE 100 32 251.4) 2000-07-03

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[21] **2,352,017**  
[13] A1

[51] **Int.Cl. 7H04R 1/20 7G10L 11/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR LOCATING A TALKER**  
[54] **METHODE ET APPAREIL POUR LOCALISER UN INTERLOCUTEUR**  
[72] TETELBAUM, MICHAEL, CA  
[72] SCHULZ, DIETER, CA  
[72] AMIRI, MAZIAR, CA  
[71] MITEL KNOWLEDGE CORPORATION, CA  
[22] 2001-06-28  
[43] 2001-12-30  
[30] GB (0016142.2) 2000-06-30

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[21] **2,352,018**  
[13] A1

[51] **Int.Cl. 7C10G 9/32 7C10G 11/18**  
[25] FR  
[54] **PROCEDE ET DISPOSITIF DE CRAQUAGE D'HYDROCARBURES METTANT EN OEUVRE DEUX CHAMBRES REACTIONNELLES SUCCESSIVES**  
[54] **HYDROCARBON CRACKING PROCESS AND DEVICE USING TWO SUCCESSIVE REACTION CHAMBERS**  
[72] CRESPIAN, PIERRE, FR  
[72] ESPEILLAC, MARCELLIN, FR  
[71] TOTAL RAFFINAGE DISTRIBUTION S.A., FR  
[22] 2001-07-03  
[43] 2002-01-05  
[30] FR (00 08 732) 2000-07-05

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[21] **2,352,024**  
[13] A1

[51] **Int.Cl. 7G06F 15/76 7G06F 17/00 7G06F 9/44**  
[25] EN  
[54] **EXTENDABLE SOFTWARE INTERFACE FOR A MOBILE DEVICE**  
[54] **INTERFACE LOGICIELLE EXTENSIBLE POUR DISPOSITIF MOBILE**  
[72] MAGUIRE, MICHAEL, CA  
[72] PATHIYAL, KRISHNA K., CA  
[71] RESEARCH IN MOTION LIMITED, CA  
[22] 2001-07-03  
[43] 2001-12-30  
[30] US (60/215,605) 2000-06-30

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[21] **2,352,028**  
[13] A1

[51] **Int.Cl. 7F28F 3/02**  
[25] EN  
[54] **METAL HOLLOW MEMBER AND METHOD FOR MANUFACTURING THE SAME**  
[54] **ELEMENT CREUX EN METAL ET METHODE DE FABRICATION**  
[72] YANO, SADAHIDE, JP  
[71] YUGEN KAISHA YANO ENGINEERING, JP  
[22] 2001-07-03  
[43] 2002-01-04  
[30] JP (2000-201746) 2000-07-04

Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002

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[21] **2,352,032**  
[13] A1  
[51] **Int.Cl. 7B66B 9/02**  
[25] EN  
[54] **STAIRLIFT FOR THE DISABLED**  
[54] **MONTE-ESCALIER POUR**  
**HANDICAPES**  
[72] GRASS, GERD, DE  
[71] GRASS, GERD, DE  
[22] 2001-07-03  
[43] 2002-01-05  
[30] DE (100 32 745.1) 2000-07-05

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[21] **2,352,033**  
[13] A1  
[51] **Int.Cl. 7B65G 17/06**  
[25] EN  
[54] **CONVEYOR ELEVATOR WEB**  
[54] **TOILE POUR ELEVATEUR-**  
**TRANSPORTEUR**  
[72] WESTON, DAVID BOOTH, GB  
[71] WESTON, DAVID BOOTH, GB  
[22] 2001-07-03  
[43] 2002-01-04  
[30] GB (0016293.3) 2000-07-04

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[21] **2,352,038**  
[13] A1  
[51] **Int.Cl. 7C01G 31/00 7H01M 10/36**  
[25] EN  
[54] **TRIVALENT AND TETRAVALENT**  
**MIXED VANADIUM COMPOUND**  
**PRODUCING METHOD AND**  
**VANADIUM ELECTROLYTE**  
**PRODUCING METHOD**  
[54] **METHODE DE PRODUCTION**  
**D'UN COMPOSE DE VANADIUM**  
**TRIVALENT ET TETRAVALENT ET**  
**METHODE DE PRODUCTION**  
**D'ELECTROLYTES DE VANADIUM**  
[72] KUBATA, MICHIRU, JP  
[72] TOKUDA, NOBUYUKI, JP  
[72] MITA, MUNEO, JP  
[72] TANAKA, YASUYUKI, JP  
[72] HORIKAWA, KEN, JP  
[71] NIPPON CHEMICAL INDUSTRIAL  
CO., LTD., JP  
[71] THE KANSAI ELECTRIC POWER  
CO., INC., JP  
[71] SUMITOMO ELECTRIC  
INDUSTRIES, LTD., JP  
[22] 2001-07-03  
[43] 2002-01-04  
[30] JP (202311/2000) 2000-07-04

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[21] **2,352,040**  
[13] A1  
[51] **Int.Cl. 7B29C 45/20**  
[25] EN  
[54] **INJECTION MOLDING NOZZLE**  
**APPARATUS**  
[54] **BUSE POUR MOULAGE PAR**  
**INJECTION**  
[72] GELLERT, JOBST ULRICH, CA  
[72] OLARU, GEORGE T., CA  
[72] BABIN, DENIS L., CA  
[71] MOLD-MASTERS LIMITED, CA  
[22] 2001-07-03  
[43] 2002-01-03  
[30] US (09/610,009) 2000-07-03

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[21] **2,352,070**  
[13] A1  
[51] **Int.Cl. 7H01F 29/02**  
[25] EN  
[54] **HYBRID TAP-CHANGING**  
**TRANSFORMER WITH FULL RANGE**  
**OF CONTROL AND HIGH**  
**RESOLUTION**  
[54] **TRANSFORMATEUR A**  
**CHANGEMENT DE PRISE HYBRIDE**  
**AVEC GAMME COMPLETE DE**  
**COMMANDE ET HAUTE RESOLUTION**  
[72] HAMMOND, PETER W., US  
[71] ROBICON CORPORATION, US  
[22] 2001-07-04  
[43] 2002-01-05  
[30] US (60/215,884) 2000-07-05  
[30] US (09/895,336) 2001-07-02

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[21] **2,352,072**  
[13] A1  
[51] **Int.Cl. 7A01K 63/04**  
[25] EN  
[54] **WATER CIRCULATION**  
**APPARATUS AND METHOD**  
[54] **APPAREIL ET METHODE POUR**  
**FAIRE CIRCULER DE L'EAU**  
[72] VEGA SALINAS, DANIEL  
EDUARDO, CL  
[71] TECH MASTER S.A., CL  
[22] 2001-07-04  
[43] 2002-01-05  
[30] CL (1800-2000) 2000-07-05

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[21] **2,352,074**  
[13] A1  
[51] **Int.Cl. 7F02B 15/00 7F02B 75/02**  
[25] EN  
[54] **METHOD FOR LUBRICATING**  
**TWO-CYCLE INTERNAL**  
**COMBUSTION ENGINE**  
[54] **METHODE POUR LUBRIFIER UN**  
**MOTEUR A COMBUSTION INTERNE A**  
**DEUX TEMPS**  
[72] UNETA, HISASHI, JP  
[71] HONDA GIKEN KOGYO  
KABUSHIKI KAISHA, JP  
[22] 2001-07-04  
[43] 2002-01-04  
[30] JP (2000-202480) 2000-07-04

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[21] **2,352,102**  
[13] A1  
[51] **Int.Cl. 7C10B 53/06**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR**  
**REGENERATING CARBON**  
**MONOXIDE AND EXTRACTING OIL**  
**FROM OIL SHALE**  
[54] **PROCEDE ET APPAREIL POUR**  
**REGENERER LE MONOXYDE DE**  
**CARBONE ET EXTRAIRE L'HUILE DU**  
**SCHISTE BITUMINEUX**  
[72] PETERSON, OREN V., US  
[71] PETERSON, OREN V., US  
[22] 2001-07-03  
[43] 2002-01-05  
[30] US (09/610,842) 2000-07-05

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[21] **2,352,106**  
[13] A1  
[51] **Int.Cl. 7H01Q 15/00 7H01Q 15/24**  
[25] EN  
[54] **DUAL-POLARIZED AND**  
**CIRCULAR-POLARIZED ANTENNAS**  
[54] **ANTENNES BIPOLARISEES ET A**  
**POLARISATION CIRCULAIRE**  
[72] LEVIS, KATHIA, CA  
[72] PETOSA, ALDO, CA  
[72] CUHACI, MICHEL, CA  
[72] ITTIPIBOON, APISAK, CA  
[71] HER MAJESTY THE QUEEN IN  
RIGHT OF CANADA AS REPRESENTED  
BY THE MINISTER OF INDUSTRY, CA  
[22] 2001-07-03  
[43] 2002-01-03  
[30] US (09/609,975) 2000-07-03

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**30 decembre 2001 - 5 janvier 2002**

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[21] **2,352,254**  
[13] A1

[51] **Int.Cl. 7E01C 1/00 7G08G 1/00**  
[25] EN  
[54] **METHOD OF ROUTING AND DIVERTING TRAFFIC**  
[54] **METHODE D'ACHEMINEMENT ET DE DEVIATION DE LA CIRCULATION**  
[72] WALTERS, KEVIN S., CA  
[71] WALTERS, KEVIN S., CA  
[22] 2001-07-04  
[43] 2002-01-05  
[30] US (60/216,333) 2000-07-05

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[21] **2,352,272**  
[13] A1

[51] **Int.Cl. 7G03C 9/06 7G03C 9/08**  
[25] EN  
[54] **IMPROVEMENT IN AND RELATING TO METHOD AND APPARATUS FOR PRODUCING ANAGLYPHIC 3D IMAGES**  
[54] **AMELIORATION D'UNE METHODE ET D'UN APPAREIL DE PRODUCTION D'IMAGES TRIDIMENSIONNELLES ANAGLYPHIQUES, ET AMELIORATION RELIEE A CETTE METHODE ET A CET APPAREIL**  
[72] DAWSON, MARK, NZ  
[71] DAWSON, MARK, NZ  
[22] 2001-06-28  
[43] 2001-12-30  
[30] NZ (505513) 2000-06-30

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[21] **2,352,273**  
[13] A1

[51] **Int.Cl. 7A47B 13/00 7A47B 97/00 7A47B 13/08**  
[25] EN  
[54] **MULTI-FUNCTION FASCIA FOR SIDE TABLES**  
[54] **BANDEAU POLYVALENT POUR TABLES DE SERVICE**  
[72] SCHAFER, JAY, US  
[72] GIEBEL, MIKE, US  
[72] STEWART, DAN, US  
[72] WHITEHALL, RICHARD, US  
[71] SUNBEAM PRODUCTS, INC., US  
[22] 2001-07-04  
[43] 2002-01-05  
[30] US (09/609,427) 2000-07-05

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[21] **2,352,283**  
[13] A1

[51] **Int.Cl. 7B65G 47/00**  
[25] EN  
[54] **EQUIPMENT FOR FEEDING PRODUCT GROUPS TO A CONVEYOR FOR THEIR PACKAGING**  
[54] **EQUIPEMENT D'ALIMENTATION EN GROUPES DE PRODUITS D'UNE BANDE TRANSPORTEUSE POUR LEUR EMBALLAGE**  
[72] COLAMUSSI, ARTURO, IT  
[72] DAVI', DANIELE, IT  
[71] VORTEX SYSTEMS S.R.L., IT  
[22] 2001-07-04  
[43] 2002-01-05  
[30] IT (MI2000A 001517) 2000-07-05

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[21] **2,352,356**  
[13] A1

[51] **Int.Cl. 7H01M 8/10**  
[25] EN  
[54] **ELECTROLYTE MEMBRANE/ELECTRODE ASSEMBLY OF SOLID POLYMER ELECTROLYTE FUEL CELL**  
[54] **MEMBRANE ELECTROLYTE/ELECTRODE DE PILE A COMBUSTIBLE A ELECTROLYTE POLYMERE SOLIDE**  
[72] NANAUMI, MASAOKI, JP  
[72] FUKUDA, KAORU, JP  
[72] ASANO, YOICHI, JP  
[72] KANAOKA, NAGAYUKI, JP  
[72] SAITO, NOBUHIRO, JP  
[71] HONDA GIKEN KOGYO KABUSHIKI KAISHA, JP  
[22] 2001-07-04  
[43] 2002-01-05  
[30] JP (2000-204131) 2000-07-05  
[30] JP (2000-256157) 2000-08-25

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[21] **2,352,394**  
[13] A1

[51] **Int.Cl. 7C09B 45/14 7C09B 57/00 7C09D 11/02 7B41J 2/21**  
[25] EN  
[54] **COLORANT MIXTURE**  
[54] **MELANGE DE COLORANTS**  
[72] GEISENBERGER, JOSEF, DE  
[72] WUZIK, ANDREAS, DE  
[72] MENZEL, HEIDEMARIE, DE  
[71] CLARIANT GMBH, DE  
[22] 2001-07-04  
[43] 2002-01-05  
[30] DE (100 32 683.8) 2000-07-05

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[21] **2,352,397**  
[13] A1

[51] **Int.Cl. 7F24C 1/00 7F24C 15/02**  
[25] EN  
[54] **STOVE FOR COOKING FOOD WITH A VIEWING WINDOW, AND A VIEWING WINDOW FOR HOUSEHOLD APPLIANCES, SUCH AS COOKING STOVES OR OVENS**  
[54] **CUISINIERES AVEC HUBLLOT, ET HUBLLOT POUR APPAREILS ELECTROMENAGERS, TELS QUE CUISINIERS ET FOURS**  
[72] LEUTNER, KURT, DE  
[72] GROS, OLIVER, DE  
[71] SCHOTT GLAS, DE  
[22] 2001-07-04  
[43] 2002-01-05  
[30] DE (100 32 733.8-16) 2000-07-05

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[21] **2,352,400**  
[13] A1

[51] **Int.Cl. 7E05B 37/00**  
[25] EN  
[54] **COMBINATION LOCK SYSTEM**  
[54] **SYSTEME DE VERROUILLAGE A COMBINAISON**  
[72] CHERIOT, GERARD, FR  
[72] BERTON, CYRIL, FR  
[71] UNITECHNIQUES, FR  
[22] 2001-07-04  
[43] 2002-01-05  
[30] FR (00/08715) 2000-07-05

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[21] **2,352,402**  
[13] A1

[51] **Int.Cl. 7C07C 47/277 7C07C 201/12 7C07C 255/13 7C07C 47/198 7C07C 205/29 7C07C 253/30 7C07C 45/51**  
[25] EN  
[54] **PROCESS FOR PREPARING ALKYL- OR ARYLOXYACETALDEHYDES**  
[54] **PROCEDE DE PREPARATION D'ALKYLOXYACETALDEHYDES OU D'ARYLOXYACETALDEHYDES**  
[72] GISELBRECHT, KARLHEINZ, AT  
[72] HERMANSEDER, RUDOLF, AT  
[71] DSM FINE CHEMICALS AUSTRIA NFG GMBH & CO KG., AT  
[22] 2001-07-04  
[43] 2002-01-05  
[30] AT (A 1153/2000) 2000-07-05

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**Canadian Laid-Open Applications  
December 30, 2001 - January 5, 2002**

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[21] **2,352,409**  
[13] A1

[51] **Int.Cl. 7A61M 5/00**  
[25] FR  
[54] **DISPOSITIF D'ADMINISTRATION D'UNE COMPOSITION DANS UN CONDUIT DU CORPS HUMAIN OU ANIMAL**  
[54] **DEVICE FOR ADMINISTERING A COMPOUND THROUGH A HUMAN OR AN ANIMAL DUCT**  
[72] CAMENZIND, EDOARDO, CH  
[72] NEUVILLE, PASCAL, FR  
[72] FONTAO, LIONEL, FR  
[72] CALEDA, VALERIE, FR  
[71] TRANSGENE S.A., FR  
[22] 2001-07-04  
[43] 2002-01-04  
[30] FR (0008751) 2000-07-04  
[30] FR (0103286) 2001-03-09

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[21] **2,352,416**  
[13] A1

[51] **Int.Cl. 7G10L 19/02**  
[25] EN  
[54] **AUDIO ENCODER AND PSYCHOACOUSTIC ANALYZING METHOD THEREFOR**  
[54] **CODEUR AUDIO ET METHODE CONNEXE D'ANALYSE PSYCHOACOUSTIQUE**  
[72] TAKAMIZAWA, YUICHIRO, JP  
[72] HASEGAWA, SATOSHI, JP  
[71] NEC CORPORATION, JP  
[22] 2001-07-05  
[43] 2002-01-05  
[30] JP (203157/2000) 2000-07-05

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[21] **2,352,465**  
[13] A1

[51] **Int.Cl. 7B29C 55/28 7B29C 49/64**  
[25] EN  
[54] **COOLING RING**  
[54] **ROULEAU DE REFROIDISSEMENT**  
[72] KONERMANN, STEFAN, DE  
[72] RAIKO, VADIM, DE  
[71] PLAST-CONTROL GERATEBAU GMBH, DE  
[22] 2001-07-05  
[43] 2002-01-05  
[30] EP (S.N.00 114 393.2) 2000-07-05

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[21] **2,352,677**  
[13] A1

[51] **Int.Cl. 7B66C 13/12**  
[25] EN  
[54] **TELESCOPIC BOOM ROUTING ASSEMBLY FOR TRANSMISSION LINES**  
[54] **ENSEMBLE D'ACHEMINEMENT A FLECHE TELESCOPIQUE POUR LIGNES DE TRANSMISSION**  
[72] TRINLER, MARTIN, DE  
[72] TUDOR, RICHARD, DE  
[71] DEERE & COMPANY, US  
[22] 2001-07-05  
[43] 2002-01-05  
[30] DE (100 32 585.8) 2000-07-05

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[21] **2,353,068**  
[13] A1

[51] **Int.Cl. 7E21B 33/04 7E21B 17/00**  
[25] EN  
[54] **CAP FOR A WELL CASING, AND METHOD TO RETROFIT A WELL CASING WITH A CAP**  
[54] **CAPUCHON POUR TUBAGE DE Puits ET METHODE POUR PLACER CE CAPUCHON SUR LEDIT TUBAGE**  
[72] ACHESON, BRIAN C., CA  
[71] ACHESON, BRIAN C., CA  
[22] 2001-07-30  
[43] 2001-12-31

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[21] **2,356,086**  
[13] A1

[51] **Int.Cl. 7F04C 2/107 7F04C 5/00**  
[25] EN  
[54] **ROTOR AND STATOR PUMPING APPARATUS**  
[54] **APPAREIL DE POMPAGE AVEC ROTOR ET STATOR**  
[72] COTE, SHELDON, CA  
[71] COTE, SHELDON, CA  
[22] 2001-08-29  
[43] 2002-01-02

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[21] **2,357,065**  
[13] A1

[51] **Int.Cl. 7E21B 31/00**  
[25] EN  
[54] **THE UNIVERSAL BOTTOM HOLE ORIENTING SUB (UBHO) AND FISHING TOOL AND TECHNIQUES FOR RETRIEVABLE PROBE TYPE MEASURING WHILE DRILLING TOOLS (MWD) IN OIL AND GAS WELLS**  
[54] **REDUCTION UNIVERSELLE D'ORIENTATION DE FOND DU Puits ET OUTIL DE REPECHAGE, ET TECHNIQUES CONCUS POUR DES OUTILS DE FORAGE RECUPERABLES QUI SONDENT ET MESURENT SIMULTANEMENT, UTILISES POUR LE FORAGE DE Puits DE PETROLE ET DE GAZ**  
[72] HUSSEIN, HAMDY HASSAN MOHAMED, CA  
[71] HUSSEIN, HAMDY HASSAN MOHAMED, CA  
[22] 2001-08-22  
[43] 2001-12-30

# PCT Applications Entering the National Phase

## Demandes PCT entrant en phase nationale

<p>[21] <b>2,361,432</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G06F 17/60 7G08C 17/00</b> [25] EN [54] <b>SYSTEM AND METHOD OF AGGREGATING DATA FROM A PLURALITY OF DATA GENERATING MACHINES</b> [54] <b>SYSTEME ET PROCEDE D'AGREGATION DE DONNEES A PARTIR DE PLUSIEURS MACHINES DE PRODUCTION DE DONNEES</b> [72] STALLMANN, MARK, US [71] MOTIENT COMMUNICATIONS INC., US [85] 2001-07-16 [86] 2000-10-27 (PCT/US2000/029529) [87] 2001-05-03 (WO2001/031553) [30] US (60/161,907) 1999-10-28</p>	<p>[21] <b>2,362,122</b> [13] A1</p> <p>[51] <b>Int.Cl. 7G06F 17/30 7H03M 11/02 7G06F 17/60</b> [25] EN [54] <b>AUTOMATED PROFILER SYSTEM FOR PROVIDING MEDICAL INFORMATION TO PATIENTS</b> [54] <b>SYSTEME D'ETABLISSEMENT AUTOMATIQUE DE PROFILS PERMETTANT DE FOURNIR DES INFORMATIONS MEDICALES A DES PATIENTS</b> [72] MAHRAN, HOWARD E., US [71] NEXCURA, INC., US [85] 2001-08-27 [86] 2000-03-14 (PCT/US2000/006625) [87] 2000-09-21 (WO2000/055751) [30] US (09/268,122) 1999-03-15</p>	<p>[21] <b>2,362,276</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A61B 18/18</b> [25] EN [54] <b>SYSTEMS AND METHODS FOR SHRINKING COLLAGEN IN THE DERMIS</b> [54] <b>SYSTEMES ET PROCEDES POUR LE RETRECISSEMENT DU COLLAGENE DANS LE DERMIS</b> [72] UTELY, DAVID S., US [72] GOODE, RICHARD L., US [72] EDWARDS, STUART D., US [71] VIADERM, US [85] 2001-08-06 [86] 2000-02-02 (PCT/US2000/002778) [87] 2000-08-24 (WO2000/048644) [30] US (09/251,554) 1999-02-17</p>
<p>[21] <b>2,361,511</b> [13] A1</p> <p>[51] <b>Int.Cl. 7H01G 5/00 7B81B 1/00 7B81B 5/00 7B81B 7/02</b> [25] EN [54] <b>VARIABLE CAPACITOR AND ASSOCIATED FABRICATION METHOD</b> [54] <b>CONDENSATEUR VARIABLE ET PROCEDE DE FABRICATION ASSOCIE</b> [72] KOESTER, DAVID ALAN, US [72] HILL, EDWARD ARTHUR, US [72] COWEN, ALLEN BRUCE, US [72] DHULER, VIJAYAKUMAR RUDRAPPA, US [72] MAHADEVAN, RAMASWAMY, US [71] JDS UNIPHASE CORPORATION, US [85] 2001-07-27 [86] 2000-11-28 (PCT/IB2000/002051) [87] 2001-06-21 (WO2001/045120) [30] US (09/461,247) 1999-12-15</p>	<p>[21] <b>2,362,269</b> [13] A1</p> <p>[51] <b>Int.Cl. 7E04F 15/00</b> [25] EN [54] <b>CONNECTING SYSTEM FOR SURFACE COVERINGS</b> [54] <b>SYSTEME DE CONNEXION POUR REVETEMENTS DE SURFACE</b> [72] CHEN, HAO A., US [72] JUDD, RICHARD, US [71] MANNINGTON MILLS, INC., US [85] 2001-08-07 [86] 2000-12-14 (PCT/US2000/042812) [87] 2001-06-21 (WO2001/044669) [30] US (09/460,928) 1999-12-14 [30] US (09/630,121) 2000-08-01</p>	<p>[21] <b>2,362,331</b> [13] A1</p> <p>[51] <b>Int.Cl. 7A61K 31/17</b> [25] EN [54] <b>EPOXIDE HYDROLASE COMPLEXES AND METHODS THEREWITH</b> [54] <b>COMPLEXES D'EPOXYDE HYDROLASES ET METHODES ASSOCIEES</b> [72] SANBORN, JAMES, US [72] SEVERSON, TONYA, US [72] HAMMOCK, BRUCE D., US [72] GOODROW, MARVIN H., US [72] ZHENG, JIANG, US [72] MORISSEAU, CHRISTOPHE H., US [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US [85] 2001-08-15 [86] 2000-02-10 (PCT/US2000/003495) [87] 2000-08-24 (WO2000/048593) [30] US (09/252,148) 1999-02-18</p>

## PCT Applications Entering the National Phase

[21] **2,362,395**  
[13] A1

[51] **Int.Cl. 7E04C 5/07**  
[25] EN  
[54] **MACHINE FOR APPLYING FIBERGLASS REINFORCEMENTS IN DISPOSABLE COLUMN FORMS**  
[54] **MACHINE SERVANT A APPLIQUER UN RENFORCEMENT DE FIBRE DE VERRE DANS DES COFFRAGES JETABLES POUR COLONNES**  
[72] VALERO SALINAS, JOSÉ MANUEL, ES  
[71] VALERO SALINAS, JOSÉ MANUEL, ES  
[85] 2001-08-09  
[86] 2000-12-27 (PCT/ES2000/000490)  
[87] 2001-07-12 (WO2001/049948)  
[30] ES (P 9902893) 1999-12-31

[21] **2,362,565**  
[13] A1

[51] **Int.Cl. 7A61K 38/55 7A61K 7/40 7A61K 7/48**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR PREVENTION OF PHOTOAGING**  
[54] **COMPOSITIONS ET PROCEDES DE PREVENTION DU PHOTOVIEILLISSEMENT**  
[72] BERNSTEIN, ERIC F., US  
[71] BERNSTEIN, ERIC F., US  
[85] 2001-08-09  
[86] 2000-02-22 (PCT/US2000/004427)  
[87] 2000-08-31 (WO2000/050057)  
[30] US (60/121,118) 1999-02-22

[21] **2,362,643**  
[13] A1

[51] **Int.Cl. 7B62D 55/32**  
[25] FR  
[54] **DISPOSITIF DE SOULEVEMENT DE GALET DE ROULEMENT D'UN VEHICULE A CHENILLES**  
[54] **DEVICE FOR LIFTING A CATERPILLAR ROAD WHEEL**  
[72] ELOY, JEAN-PIERRE, FR  
[71] KLEBER TRACK, FR  
[85] 2001-08-06  
[86] 2000-12-06 (PCT/EP2000/012280)  
[87] 2001-06-14 (WO2001/042078)  
[30] FR (99/15506) 1999-12-07

[21] **2,362,654**  
[13] A1

[51] **Int.Cl. 7H01S 5/022 7G02B 6/42**  
[25] EN  
[54] **OPTICAL SEMICONDUCTOR MODULE**  
[54] **MODULE A SEMI-CONDUCTEUR OPTIQUE**  
[72] YOSHIDA, KAZUNORI, JP  
[72] FURUMAI, MASAKI, JP  
[72] YOSHIMURA, MANABU, JP  
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP  
[85] 2001-08-09  
[86] 2000-12-11 (PCT/JP2000/008741)  
[87] 2001-06-14 (WO2001/043245)  
[30] JP (11/351805) 1999-12-10

[21] **2,362,656**  
[13] A1

[51] **Int.Cl. 7G11B 7/0045**  
[25] EN  
[54] **OPTICAL DISK DEVICE**  
[54] **DISPOSITIF A DISQUE OPTIQUE**  
[72] KONO, KAZUHIKO, JP  
[71] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP  
[85] 2001-08-09  
[86] 2000-12-13 (PCT/JP2000/008805)  
[87] 2001-06-14 (WO2001/043124)  
[30] JP (11/352935) 1999-12-13

[21] **2,362,661**  
[13] A1

[51] **Int.Cl. 7G07D 7/12 7G07D 7/00 7C09D 11/02 7G07D 7/02 7G07D 7/04**  
[25] EN  
[54] **VALUABLE PAPER DISTINGUISHABLE BY A VALIDATOR FOR DISCRIMINATING BILLS**  
[54] **DOCUMENTS DE VALEUR RECONNAISSABLE GRACE A UN SYSTEME DE VALIDATION PERMETTANT D'ETABLIR UNE DISTINCTION ENTRE DES PIECES COMPTABLES**  
[72] IZAWA, HIKARU, JP  
[72] FUJITA, MASANOBU, JP  
[72] OHYA, TOITSU, JP  
[71] JAPAN CASH MACHINE CO., LTD., JP  
[85] 2001-08-07  
[86] 1999-12-10 (PCT/JP1999/006967)  
[87] 2001-06-14 (WO2001/043082)

[21] **2,362,685**  
[13] A1

[51] **Int.Cl. 7C12N 15/45 7C12N 7/00 7C12N 5/10 7C07K 14/115 7A61K 39/155 7C12N 15/62**  
[25] EN  
[54] **USE OF RECOMBINANT PARAINFLUENZA VIRUSES (PIVS) AS VECTORS TO PROTECT AGAINST INFECTION AND DISEASE CAUSED BY PIV AND OTHER HUMAN PATHOGENS**  
[54] **UTILISATION DE VIRUS DE PARAINFLUENZA (PIV) DE RECOMBINAISON COMME VECTEURS AUX FINS DE PROTECTION CONTRE DES MALADIES ET INFECTIONS PROVOQUEES PAR UN PIV OU PAR D'AUTRES PATHOGENES HUMAINS**  
[72] MURPHY, BRIAN R., US  
[72] TAO, TAO, US  
[72] SKIADOPOULOS, MARIO H., US  
[72] DURBIN, ANNA P., US  
[72] COLLINS, PETER L., US  
[72] SCHMIDT, ALEXANDER C., US  
[71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, US  
[85] 2001-08-09  
[86] 2000-12-08 (PCT/US2000/033293)  
[87] 2001-06-14 (WO2001/042445)  
[30] US (60/170,195) 1999-12-10  
[30] US (09/458,813) 1999-12-10  
[30] US (09/459,062) 1999-12-10

[21] **2,362,690**  
[13] A1

[51] **Int.Cl. 7B65H 75/14**  
[25] FR  
[54] **JOUE DE TOURET**  
[54] **REEL FLANGE**  
[72] ORZEL, JEAN PIERRE, FR  
[71] ORZEL, JEAN PIERRE, FR  
[85] 2001-08-17  
[86] 2000-03-17 (PCT/FR2000/000654)  
[87] 2000-09-28 (WO2000/056653)  
[30] DE (199 12 366.7) 1999-03-19  
[30] FR (99/16561) 1999-12-28

## Demandes PCT entrant en phase nationale

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[21] **2,362,714**  
[13] A1  
[51] **Int.Cl. 7C07H 19/04 7C07H 21/00 7C07H 19/06**  
[25] EN  
[54] **2'-SUBSTITUTED RNA PREPARATION**  
[54] **PREPARATION D'ARN SUBSTITUE EN POSITION 2'**  
[72] SONG, QUANLAI, US  
[72] REESE, COLIN BERNARD, GB  
[71] AVECIA LIMITED, GB  
[85] 2001-08-31  
[86] 2000-03-15 (PCT/GB2000/000965)  
[87] 2000-09-28 (WO2000/056747)  
[30] GB (9906328.1) 1999-03-19

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[21] **2,362,722**  
[13] A1  
[51] **Int.Cl. 7B29C 49/56 7B29C 33/22**  
[25] FR  
[54] **UNITE DE MOULAGE ET MACHINE D'EXTRUSION-SOUFFLAGE MUNIE D'UNE TELLE UNITE**  
[54] **MOULDING UNIT AND EXTRUSION-BLOW MOULDING MACHINE EQUIPPED THEREWITH**  
[72] LEMAISTRE, ERIC, FR  
[72] DEROUAULT, PHILIPPE, FR  
[71] SIDEL, FR  
[85] 2001-09-05  
[86] 2000-02-24 (PCT/FR2000/000466)  
[87] 2000-09-14 (WO2000/053394)  
[30] FR (99/02928) 1999-03-08

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[21] **2,362,723**  
[13] A1  
[51] **Int.Cl. 7B01D 53/047 7B01J 20/18**  
[25] EN  
[54] **SELECTIVE REMOVAL OF NITROGEN FROM NATURAL GAS BY PRESSURE SWING ADSORPTION**  
[54] **EXTRACTION SELECTIVE D'AZOTE DE GAZ NATUREL PAR ADSORPTION MODULEE EN PRESSION**  
[72] BUTWELL, KENNETH F., US  
[72] KUZNICKI, STEVEN M., US  
[72] DOLAN, WILLIAM B., US  
[71] ENGELHARD CORPORATION, US  
[85] 2001-09-10  
[86] 2000-03-08 (PCT/US2000/006136)  
[87] 2000-09-28 (WO2000/056424)  
[30] US (09/273,684) 1999-03-22

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[21] **2,362,724**  
[13] A1  
[51] **Int.Cl. 7B29C 49/56 7B29C 33/20**  
[25] FR  
[54] **UNITE DE MOULAGE COMPORTANT DES MOYENS DE COMPENSATION PERFECTIONNES ET MACHINE D'EXTRUSION-SOUFFLAGE MUNIE D'UNE TELLE UNITE**  
[54] **MOULDING UNIT COMPRISING IMPROVED COMPENSATING MEANS AND EXTRUSION-BLOW MOULDING MACHINE EQUIPPED THEREWITH**  
[72] DEROUAULT, PHILIPPE, FR  
[72] LEMAISTRE, ERIC, FR  
[71] SIDEL, FR  
[85] 2001-09-05  
[86] 2000-02-24 (PCT/FR2000/000467)  
[87] 2000-09-14 (WO2000/053395)  
[30] FR (99/02929) 1999-03-08

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[21] **2,362,727**  
[13] A1  
[51] **Int.Cl. 7G06F 13/14 7G06F 3/00 7H04N 7/10 7G06F 13/372**  
[25] EN  
[54] **QUEUING ARCHITECTURE WITH MULTIPLE QUEUES AND METHOD FOR STATISTICAL DISK SCHEDULING FOR VIDEO SERVERS**  
[54] **ARCHITECTURE DE MISE EN FILES D'ATTENTE A PLUSIEURS FILES D'ATTENTE, ET PROCEDE STATISTIQUE D'ORDONNANCEMENT DU DISQUE POUR SERVEURS VIDEO**  
[72] FREDERICKSON, JAMES, US  
[72] TAYLOR, CLEMENT G., US  
[72] LERMAN, JESSE S., US  
[71] DIVA SYSTEMS CORPORATION, US  
[85] 2001-09-07  
[86] 2000-03-09 (PCT/US2000/006093)  
[87] 2000-09-14 (WO2000/054161)  
[30] US (09/268,512) 1999-03-12

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[21] **2,362,728**  
[13] A1  
[51] **Int.Cl. 7C07D 293/00 7C07D 421/00 7C07D 517/00 7A01N 45/00 7A61K 31/415 7A01N 43/50 7A61K 31/56**  
[25] EN  
[54] **IMPROVED AQUEOUS SOLUBILITY PHARMACEUTICAL FORMULATIONS**  
[54] **FORMULATIONS PHARMACEUTIQUES A SOLUBILITE AQUEUSE AMELIOREE**  
[72] VLADYKA, RONALD S., JR., US  
[72] ERKOBONI, DAVID F., US  
[72] STERGIOS, PAMELA R., US  
[71] FMC CORPORATION, US  
[85] 2001-08-28  
[86] 2000-03-20 (PCT/US2000/007298)  
[87] 2000-09-28 (WO2000/056726)  
[30] US (60/125,914) 1999-03-24  
[30] US (60/149,680) 1999-08-19  
[30] US (09/528,624) 2000-03-20

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[21] **2,362,730**  
[13] A1  
[51] **Int.Cl. 7B25B 25/00**  
[25] FR  
[54] **PROCEDE DE POSE D'UN COLLIER ELASTIQUE ET OUTILLAGES LE METTANT EN OEUVRE**  
[54] **METHOD FOR FIXING AN ELASTIC CLAMP BAND AND EQUIPMENT THEREFOR**  
[72] MELIN, LAURENT, FR  
[72] GILLET, PASCAL, FR  
[72] PETIT, FABRICE, FR  
[71] GILLET OUTILLAGE, FR  
[85] 2001-09-05  
[86] 2000-03-08 (PCT/FR2000/000571)  
[87] 2000-09-14 (WO2000/053374)  
[30] FR (99/03273) 1999-03-08  
[30] FR (99/11232) 1999-09-08  
[30] FR (00/00915) 2000-01-11

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[21] **2,362,733**  
[13] A1  
[51] **Int.Cl. 7B01L 3/00**  
[25] FR  
[54] **DISPOSITIF ET PROCEDE DE POSITIONNEMENT D'UN LIQUIDE**  
[54] **DEVICE AND METHOD FOR POSITIONING A LIQUID**  
[72] COLIN, BRUNO, FR  
[72] DACHAUD, JACQUES, FR  
[71] BIOMERIEUX S.A., FR  
[85] 2001-08-28  
[86] 2000-03-09 (PCT/FR2000/000579)  
[87] 2000-09-14 (WO2000/053319)  
[30] FR (99/03033) 1999-03-09



## PCT Applications Entering the National Phase

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[21] **2,362,734**  
[13] A1

[51] **Int.Cl. 7A63F 9/00**  
[25] EN  
[54] **ROTATING RING GAME**  
[54] **JEU DE L'ANNEAU ROTATIF**  
[72] BEAN, JEFFREY W., US  
[71] BEAN ENTERPRISES, INC., US  
[85] 2001-09-05  
[86] 2000-03-16 (PCT/US2000/006904)  
[87] 2000-09-21 (WO2000/054860)  
[30] US (60/124,639) 1999-03-16

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[21] **2,362,739**  
[13] A1

[51] **Int.Cl. 7B01L 3/00 7F04B 17/00**  
**7F04B 19/00 7B01J 19/00**  
[25] FR  
[54] **DISPOSITIF DE POMPAGE**  
**PERMETTANT DE TRANSFERER AU**  
**MOINS UN FLUIDE DANS UN**  
**CONSOMMABLE**  
[54] **PUMPING DEVICE FOR**  
**TRANSFERRING AT LEAST A FLUID**  
**INTO A CONSUMABLE**  
[72] COLIN, BRUNO, FR  
[71] BIOMERIEUX S.A., FR  
[85] 2001-08-17  
[86] 2000-03-09 (PCT/FR2000/000580)  
[87] 2000-09-14 (WO2000/053320)  
[30] FR (99/03031) 1999-03-09

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[21] **2,362,742**  
[13] A1

[51] **Int.Cl. 7A61K 7/027 7A61K 7/48**  
[25] FR  
[54] **COMPOSITION SANS TRANSFERT**  
**STRUCTUREE SOUS FORME RIGIDE**  
**PAR UN POLYMERE**  
[54] **TRANSFER-RESISTANT**  
**COMPOSITION STRUCTURED IN**  
**RIGID FORM BY A POLYMER**  
[72] FERRARI, VERONIQUE, FR  
[71] L'OREAL, FR  
[85] 2001-08-17  
[86] 2001-01-24 (PCT/FR2001/000229)  
[87] 2001-07-26 (WO2001/052799)  
[30] FR (00/00920) 2000-01-24

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[21] **2,362,744**  
[13] A1

[51] **Int.Cl. 7B65D 51/28**  
[25] EN  
[54] **PERFUMING DEVICE FOR**  
**PERFUMING THE HEADSPACE OF A**  
**CONTAINER**  
[54] **DISPOSITIF PARFUMANT POUR**  
**PARFUMER L'ESPACE LIBRE D'UN**  
**RECIPIENT**  
[72] RIVIELLO, ACHILLE JR., US  
[71] FIRMENICH S.A., CH  
[85] 2001-08-21  
[86] 2000-02-11 (PCT/IB2000/000147)  
[87] 2000-09-14 (WO2000/053508)  
[30] IB (PCT/IB99/00383) 1999-03-05

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[21] **2,362,760**  
[13] A1

[51] **Int.Cl. 7C07D 491/22 7C07D 209/00**  
**7C07D 221/00 7C07D 311/00 7A61K 31/**  
**435**  
[25] EN  
[54] **CAMPTOTHECIN DERIVATIVES**  
**HAVING ANTITUMOR ACTIVITY**  
[54] **DERIVES DE CAMPTOTHECINE**  
**AYANT UNE ACTION**  
**ANTITUMORALE**  
[72] PENCO, SERGIO, IT  
[72] MERLINI, LUCIO, IT  
[72] CARMINATI, PAOLO, IT  
[72] ZUNINO, FRANCO, IT  
[71] ISTITUTO NAZIONALE PER LO  
STUDIO E LA CURA DEI TUMORI, IT  
[71] SIGMA-TAU INDUSTRIE  
FARMACEUTICHE RIUNITE S.P.A., IT  
[85] 2001-08-09  
[86] 2000-03-08 (PCT/EP2000/001570)  
[87] 2000-09-14 (WO2000/053607)  
[30] EP (99830124.6) 1999-03-09

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[21] **2,362,766**  
[13] A1

[51] **Int.Cl. 7H04B 7/24 7H04Q 7/20**  
[25] EN  
[54] **DATA TRANSMISSION METHOD**  
**AND RADIO LINK SYSTEM**  
[54] **PROCEDE DE TRANSMISSION DE**  
**DONNEES ET SYSTEME DE LIAISON**  
**RADIO**  
[72] MAKINEN, JARMO, FI  
[71] NOKIA NETWORKS OY, FI  
[85] 2001-08-20  
[86] 2000-03-06 (PCT/FI2000/000174)  
[87] 2000-09-14 (WO2000/054434)  
[30] FI (990483) 1999-03-05

---

[21] **2,362,769**  
[13] A1

[51] **Int.Cl. 7A61K 9/16**  
[25] EN  
[54] **MICROCAPSULES FOR**  
**SUSTAINED RELEASE OF DRUGS**  
[54] **MICROCAPSULES POUR LA**  
**LIBERATION PROLONGEE DE**  
**MEDICAMENTS**  
[72] CUMILLERA COLOME, DAVID, ES  
[72] BONILLA MUNOZ, ANGEL, ES  
[72] GARCES GARCES, JOSEP, ES  
[72] PARENTE DUENA, ANTONIO, ES  
[71] LIPOTEC, S.A., ES  
[85] 2001-08-10  
[86] 2000-12-15 (PCT/ES2000/000475)  
[87] 2001-06-21 (WO2001/043724)  
[30] ES (P 9902768) 1999-12-17

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[21] **2,362,772**  
[13] A1

[51] **Int.Cl. 7A61K 47/18 7A61K 38/31**  
[25] EN  
[54] **PHARMACEUTICAL**  
**FORMULATION FOR INTRAVENOUS**  
**OR INTRAMUSCULAR OCTREOTIDE**  
**ADMINISTRATION**  
[54] **FORMULATION**  
**PHARMACEUTIQUE STABLE POUR**  
**L'ADMINISTRATION PAR VOIE**  
**INTRAVEINEUSE OU**  
**INTRAMUSCULAIRE D'OCTREOTIDE**  
[72] PONSATI OBIOLS, BERTA, ES  
[72] JODAS FARRAS, GEMMA, ES  
[72] BACARDIT CABADO, JORDI, ES  
[72] CLEMENTE RODRIGUEZ,  
FRANCISCO JAVIER, ES  
[72] PAVON FERNANDEZ, SERGI, ES  
[71] LIPOTEC, S.A., ES  
[85] 2001-08-10  
[86] 2000-12-15 (PCT/ES2000/000476)  
[87] 2001-06-21 (WO2001/043776)  
[30] ES (P 9902769) 1999-12-17

## Demandes PCT entrant en phase nationale

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[21] **2,362,785**  
[13] A1  
[51] **Int.Cl. 7A61K 31/135 7A61K 31/045 7A61K 31/12 7A61P 31/14**  
[25] EN  
[54] **GLUCAMINE COMPOUNDS FOR TREATING HEPATITIS VIRUS INFECTIONS**  
[54] **COMPOSES GLUCAMINE DESTINES AU TRAITEMENT D'INFECTIONS DUES AU VIRUS DE L'HEPATITE**  
[72] PARTIS, RICHARD A., US  
[72] BRYANT, MARTIN L., US  
[72] MUELLER, RICHARD A., US  
[71] G.D. SEARLE & CO., US  
[85] 2001-08-13  
[86] 2000-02-14 (PCT/US2000/003816)  
[87] 2001-02-08 (WO2001/008672)  
[30] US (60/119,836) 1999-02-12  
[30] US (60/119,858) 1999-02-12

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[21] **2,362,805**  
[13] A1  
[51] **Int.Cl. 7C07F 9/6584**  
[25] EN  
[54] **NOVEL PHOSPHORUS-CONTAINING PRODRUGS**  
[54] **NOUVEAUX PROMEDICAMENTS A TENEUR EN PHOSPHORE**  
[72] ERION, MARK D., US  
[72] BOYER, SERGE H., US  
[72] REDDY, K. RAJA, US  
[71] METABASIS THERAPEUTICS, INC., US  
[85] 2001-08-23  
[86] 2000-03-03 (PCT/US2000/005672)  
[87] 2000-09-08 (WO2000/052015)  
[30] US (60/123,013) 1999-03-05  
[30] US (60/153,127) 1999-09-08

---

[21] **2,362,812**  
[13] A1  
[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **A METHOD OF COMPONENT-BASED SYSTEM DEVELOPMENT**  
[54] **PROCEDE DE DEVELOPPEMENT DE SYSTEMES A BASE DE COMPOSANTS**  
[72] HALE, TIMOTHY J., US  
[72] LABROT, ANDREW G., JR., US  
[72] ULUAKER, TAMER, US  
[71] HALE, TIMOTHY J., US  
[71] LABROT, ANDREW G., JR., US  
[71] ULUAKER, TAMER, US  
[71] MTW CORP., US  
[85] 2001-08-10  
[86] 2000-12-08 (PCT/US2000/033381)  
[87] 2001-06-14 (WO2001/043030)  
[30] US (60/170,055) 1999-12-10

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[21] **2,362,815**  
[13] A1  
[51] **Int.Cl. 7A61K 31/42 7A61K 9/20**  
[25] EN  
[54] **CYCLOOXYGENASE-2 INHIBITOR COMPOSITIONS HAVING RAPID ONSET OF THERAPEUTIC EFFECT**  
[54] **COMPOSITIONS D'INHIBITEUR DE CYCLOOXYGENASE-2 PRODUISANT RAPIDEMENT UN EFFET THERAPEUTIQUE**  
[72] KARARLI, TUGRUL T., US  
[72] KONTNY, MARK J., US  
[72] DESAI, SUBHASH, US  
[72] HAGEMAN, MICHAEL J., US  
[72] HASKELL, ROYAL J., US  
[71] PHARMACIA CORPORATION, US  
[85] 2001-08-07  
[86] 2000-12-06 (PCT/US2000/032434)  
[87] 2001-06-14 (WO2001/041760)  
[30] US (60/169,856) 1999-12-08

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[21] **2,362,816**  
[13] A1  
[51] **Int.Cl. 7A61K 31/42 7A61K 9/20**  
[25] EN  
[54] **VALDECOXIB COMPOSITIONS**  
[54] **COMPOSITIONS DE VALDECOXIB**  
[72] NADKARNI, SREEKANT, US  
[72] DESAI, SUBHASH, US  
[72] KONTNY, MARK J., US  
[72] KARARLI, TUGRUL T., US  
[71] PHARMACIA CORPORATION, US  
[85] 2001-08-07  
[86] 2000-12-04 (PCT/US2000/032417)  
[87] 2001-06-14 (WO2001/041761)  
[30] US (60/169,856) 1999-12-08  
[30] US (60/181,635) 2000-02-10  
[30] US (60/202,269) 2000-05-05

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[21] **2,362,823**  
[13] A1  
[51] **Int.Cl. 7G07F 11/58**  
[25] EN  
[54] **IMPROVEMENTS TO PATENT P9800864: VENDING MACHINE**  
[54] **AMELIORATIONS APORTEES AU BREVET D'INVENTION P9800864 : DISTRIBUTEUR AUTOMATIQUE**  
[72] GUINDULAIN VIDONDO, FELIX, ES  
[71] JOFEMAR, S.A., ES  
[85] 2001-08-16  
[86] 2000-12-29 (PCT/ES2000/000497)  
[87] 2001-09-07 (WO2001/065504)  
[30] ES (P 200000511) 2000-03-02

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[21] **2,362,825**  
[13] A1  
[51] **Int.Cl. 7C12Q 1/68 7A61K 48/00 7A61P 35/00 7C12N 9/06**  
[25] EN  
[54] **CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE REDUCTASE**  
[54] **ADNC DESTINES A LA METHYLENE-TETRAHYDROFOLATE REDUCTASE**  
[72] ROZEN, RIMA, CA  
[72] GOYETTE, PHILIPPE, CA  
[71] MCGILL UNIVERSITY, CA  
[85] 2001-08-08  
[86] 2000-02-28 (PCT/IB2000/000442)  
[87] 2000-09-08 (WO2000/052205)  
[30] US (09/258,928) 1999-03-01

## PCT Applications Entering the National Phase

[21] **2,362,827**  
[13] A1

[51] **Int.Cl. 7F01K 23/10 7F01K 9/00 7F02C 6/18 7F01D 25/30**  
[25] EN  
[54] **GAS TURBINE CONTROLLER OF SINGLE-SHAFT COMBINED CYCLE POWER GENERATING PLANT AND GAS TURBINE OUTPUT CALCULATING METHOD**  
[54] **MODULE DE COMMANDE DE TURBINE A GAZ D'UNE INSTALLATION DE PRODUCTION D'ENERGIE A CYCLE COMBINE ET ARBRE UNIQUE, ET PROCEDE DE CALCUL DU RENDEMENT DE CETTE TURBINE**  
[72] KOMIYAMA, HIROYA, JP  
[72] NAGATA, SHOUICHI, JP  
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[85] 2001-08-08  
[86] 2000-12-20 (PCT/JP2000/009027)  
[87] 2001-06-28 (WO2001/046567)  
[30] JP (11/362879) 1999-12-21

[21] **2,362,830**  
[13] A1

[51] **Int.Cl. 7C07K 14/435 7A61K 38/03 7A61K 38/08 7A61K 38/17 7C07K 14/705**  
[25] EN  
[54] **TRANSMEMBRANE SERINE PROTEASE OVEREXPRESSED IN OVARIAN CARCINOMA AND USES THEREOF**  
[54] **SERINE PROTEASE TRANSMEMBRANAIRE SUREXPRIMEE DANS LE CARCINOME OVARIEN ET SES APPLICATIONS**  
[72] UNDERWOOD, LOWELL J., US  
[72] O'BRIEN, TIMOTHY J., US  
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, US  
[85] 2001-08-28  
[86] 2000-03-02 (PCT/US2000/005612)  
[87] 2000-09-08 (WO2000/052044)  
[30] US (09/261,416) 1999-03-03

[21] **2,362,834**  
[13] A1

[51] **Int.Cl. 7C07K 14/47 7A61K 38/17 7A61P 25/28 7G01N 33/68**  
[25] EN  
[54] **MODULATORS OF BETA-AMYLOID PEPTIDE AGGREGATION COMPRISING D-AMINO ACIDS**  
[54] **MODULATEURS DE L'AGREGATION DE PEPTIDE BETA-AMYLOIDE COMPRENANT DES ACIDES AMINES DE TYPE D**  
[72] SELF, CHRISTOPHER, US  
[72] OLSON, GARY L., US  
[72] PHILLIPS, KATHRYN, US  
[72] FINDEIS, MARK A., US  
[71] PRAECIS PHARMACEUTICALS INCORPORATED, US  
[85] 2001-08-31  
[86] 2000-03-03 (PCT/US2000/005574)  
[87] 2000-09-08 (WO2000/052048)  
[30] US (60/122,736) 1999-03-04

[21] **2,362,835**  
[13] A1

[51] **Int.Cl. 7H04B 1/10**  
[25] EN  
[54] **INTERFERENCE CANCELLATION IN RADIO STATIONS**  
[54] **ELIMINATION D'INTERFERENCE DANS DES STATIONS DE RADIODIFFUSION**  
[72] KARLSSON, JONAS, JP  
[72] ESMAILZADEH, RIAZ, JP  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
[85] 2001-08-07  
[86] 2000-02-25 (PCT/SE2000/000372)  
[87] 2000-08-31 (WO2000/051249)  
[30] SE (9900684-3) 1999-02-26

[21] **2,362,840**  
[13] A1

[51] **Int.Cl. 7C07K 16/00 7A61K 39/395**  
[25] EN  
[54] **ANTIBODIES AGAINST PHOSPHOMANNAN THAT ARE PROTECTIVE AGAINST CANDIDIASIS**  
[54] **ANTICORPS DIRIGES CONTRE LE PHOSPHOMANNANE ET PROTECTEURS CONTRE LES CANDIDOSES**  
[72] HAN, YONGMOON, US  
[72] RIESSELMAN, MARCIA, US  
[72] CUTLER, JIM E., US  
[71] LIGOCYTE PHARMACEUTICALS, INC., US  
[71] RESEARCH AND DEVELOPMENT INSTITUTE, INC., US  
[85] 2001-08-30  
[86] 2000-03-01 (PCT/US2000/005279)  
[87] 2000-09-08 (WO2000/052053)  
[30] US (60/122,214) 1999-03-01

[21] **2,362,841**  
[13] A1

[51] **Int.Cl. 7C11D 1/00**  
[25] EN  
[54] **AUTOMATIC DISHWASHING COMPOSITIONS COMPRISING MIXED SURFACTANTS SYSTEMS**  
[54] **COMPOSITIONS POUR LAVÉ-VAISSELLE A SYSTEME MIXTE DE TENSIO-ACTIFS**  
[72] JORDAN, GLENN THOMAS IV, US  
[72] KLUESENER, BERNARD WILLIAM, US  
[72] SCHEPER, WILLIAM MICHAEL, US  
[72] HAEGGBERG, DONNA JEAN, US  
[72] SIVIK, MARK ROBERT, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-08-08  
[86] 2000-02-10 (PCT/US2000/003456)  
[87] 2000-08-31 (WO2000/050550)  
[30] US (60/121,032) 1999-02-22

## Demandes PCT entrant en phase nationale

[21] **2,362,846**  
[13] A1

[51] **Int.Cl. 7A21C 11/00 7A23P 1/10**  
[25] EN  
[54] **COOKING MACHINE AND ASSOCIATED COOKING METHOD**  
[54] **MACHINE DE CUISSON ET METHODE DE CUISSON ASSOCIEE**  
[72] WEISBERGER, JOSHUA, US  
[72] WILK, PETER J., US  
[71] WILK PATENT DEVELOPMENT CORPORATION, US  
[71] WEISBERGER, JOSHUA, US  
[85] 2001-08-31  
[86] 2000-03-03 (PCT/US2000/005569)  
[87] 2000-09-08 (WO2000/051439)  
[30] US (09/263,319) 1999-03-05  
[30] US (60/140,765) 1999-06-24

[21] **2,362,849**  
[13] A1

[51] **Int.Cl. 7C07K 5/023 7C07D 277/04 7C07D 207/14 7A61P 31/18 7A61K 31/426**  
[25] EN  
[54] **NOVEL DIPEPTIDE COMPOUND AND MEDICINAL USE THEREOF**  
[54] **NOUVEAU COMPOS~ DIPEPTIDIQUE ET SES APPLICATIONS EN M-DECINE**  
[72] TERASHIMA, KEISUKE, JP  
[72] MIMOTO, TSUTOMU, JP  
[72] NOJIMA, SHUN, JP  
[72] SHINTANI, MAKOTO, JP  
[72] TAKAKU, HARUO, JP  
[72] MATSUMOTO, SHINJI, JP  
[71] JAPAN ENERGY CORPORATION, JP  
[85] 2001-08-08  
[86] 2000-12-28 (PCT/JP2000/009361)  
[87] 2001-07-05 (WO2001/047948)  
[30] JP (11-374478) 1999-12-28

[21] **2,362,852**  
[13] A1

[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **DYNAMIC INCENTIVE POINTS MANAGEMENT**  
[54] **GESTION DYNAMIQUE DE POINTS D'INTERESSEMENT**  
[72] STRASNICK, STEVEN L., US  
[72] MORTENSEN, LANCE H., US  
[71] RSTAR CORPORATION, US  
[85] 2001-08-24  
[86] 2001-01-12 (PCT/US2001/001188)  
[87] 2001-07-19 (WO2001/052155)  
[30] US (09/482,748) 2000-01-13

[21] **2,362,855**  
[13] A1

[51] **Int.Cl. 7A01K 97/00 7A01K 91/18**  
[25] EN  
[54] **BAITMACHINE AND DEVICE FOR CONTROLLING FISHHOOK MOVEMENT IN A BAITMACHINE**  
[54] **MACHINE A BOETTER ET DISPOSITIF POUR DIRIGER LE MOUVEMENT DE L'HAMECON DANS UNE MACHINE A BOETTER**  
[72] SJASTAD, ANFINN, NO  
[71] SJAASTAD AS, NO  
[85] 2001-08-22  
[86] 2000-02-08 (PCT/NO2000/000046)  
[87] 2000-08-31 (WO2000/049863)  
[30] NO (19990818) 1999-02-22

[21] **2,362,859**  
[13] A1

[51] **Int.Cl. 7A01K 61/00 7A01K 63/00**  
[25] EN  
[54] **EQUIPMENT FOR FLAT-BOTTOM FLOATING CAGE**  
[54] **EQUIPEMENT DE CAGE A FOND PLAT**  
[72] MIDLING, KJELL, NO  
[72] JORGENSEN, SVEIN HARALD, NO  
[72] ELIASSEN, ROY TORE, NO  
[72] PETTERSEN, JONNY, NO  
[72] AAS, KARE, NO  
[71] REFA AS, NO  
[85] 2001-08-13  
[86] 2000-02-09 (PCT/NO2000/000048)  
[87] 2000-08-31 (WO2000/049858)  
[30] NO (19990660) 1999-02-12

[21] **2,362,863**  
[13] A1

[51] **Int.Cl. 7D06M 16/00 7B08B 7/00 7B01D 47/00 7B05B 3/06 7F24C 15/20 7A47J 36/38**  
[25] EN  
[54] **SYSTEM AND METHOD FOR VENT HOOD CLEANING AND COMPREHENSIVE BIOREMEDIATION OF KITCHEN GREASE**  
[54] **SYSTEME ET PROCEDE DESTINES AU NETTOYAGE DE LA MITRE POUR L'EVACUATION DES BUEES ET BIORESTAURATION D'ENSEMBLE DES GRAISSES DE CUISINE**  
[72] MCMINN, PEARSON V., JR., US  
[71] ALLIED DIRECTIVES, LLC., US  
[85] 2001-08-21  
[86] 2000-02-22 (PCT/US2000/004487)  
[87] 2000-08-24 (WO2000/049220)  
[30] US (09/253,966) 1999-02-22

[21] **2,362,873**  
[13] A1

[51] **Int.Cl. 7A01N 43/04 7A61K 39/00 7C12N 5/00 7C07H 21/02 7C12N 5/02 7C07H 21/04 7A61K 39/38**  
[25] EN  
[54] **VACCINES AND GENE THERAPY COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME**  
[54] **COMPOSITIONS VACCINALES ET DE THERAPIE GENIQUE, METHODES DE PRODUCTION ET D'UTILISATIONS DE CELLES-CI**  
[72] WEINER, DAVID B., US  
[72] KIM, JONG J., US  
[72] AGADJANYAN, MICHAEL G., US  
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US  
[85] 2001-09-04  
[86] 2000-03-03 (PCT/US2000/005767)  
[87] 2000-09-08 (WO2000/051432)  
[30] US (60/122,769) 1999-03-03

[21] **2,362,877**  
[13] A1

[51] **Int.Cl. 7A61K 38/21 7A61K 31/13 7A61P 31/14 7A61K 31/365 7A61K 31/416 7A61K 31/505 7A61K 31/517 7A61K 31/7052**  
[25] EN  
[54] **SYNERGISTIC COMBINATION FOR TREATMENT OF VIRAL-MEDIATED DISEASES**  
[54] **COMBINAISON SYNERGETIQUE POUR TRAITEMENT DE MALADIES TRANSMISES PAR VIRUS**  
[72] TAN, YIN HWEE, SG  
[72] DRISCOLL, JOHN S., US  
[71] INSTITUTE OF MOLECULAR AND CELL BIOLOGY, SG  
[85] 2001-08-22  
[86] 2000-02-25 (PCT/US2000/004699)  
[87] 2000-08-31 (WO2000/050064)  
[30] US (60/121,931) 1999-02-26  
[30] US (60/181,068) 2000-02-08

## PCT Applications Entering the National Phase

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[21] **2,362,878**  
[13] A1  
[51] **Int.Cl. 7C07K 5/06 7A23L 1/236**  
[25] EN  
[54] **N--N-(3,3-DIMETHYLBUTYL)-L-ALPHA.-ASPARTYL]-L-PHENYLALANINE 1-METHYL ESTER AGGLOMERATE**  
[54] **AGGLOMERAT DE N--N-(3,3-DIMETHYLBUTYL)-L.-ALPHA.-ASPARTYL]-L-PHENYLALANINE 1-METHYL ESTER**  
[72] BISHAY, IHAB, US  
[72] FOTOS, JIM, US  
[71] THE NUTRASWEET COMPANY, US  
[85] 2001-08-15  
[86] 2000-02-15 (PCT/US2000/003697)  
[87] 2000-08-24 (WO2000/049036)  
[30] US (09/252,072) 1999-02-18

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[21] **2,362,879**  
[13] A1  
[51] **Int.Cl. 7H04N 7/24**  
[25] EN  
[54] **SYSTEM FOR AUTOMATED COMPREHENSIVE REMOTE SERVICING FOR MEDIA INFORMATION**  
[54] **SYSTEME RELATIF A UN TELESERVICE AUTOMATISE ETENDU FOURNISSANT DES INFORMATIONS SUR DES MEDIA**  
[72] BROWN, MATHEWS, US  
[72] KITE, BEVERLEY, US  
[72] TOBIAS, MARTIN, US  
[71] LOUDEYE TECHNOLOGIES, INC., US  
[85] 2001-08-02  
[86] 2000-02-11 (PCT/US2000/003413)  
[87] 2000-08-17 (WO2000/048399)  
[30] US (60/119,762) 1999-02-11  
[30] US (60/120,209) 1999-02-11  
[30] US (60/120,207) 1999-02-11  
[30] US (60/120,206) 1999-02-11  
[30] US (60/120,208) 1999-02-11  
[30] US (60/156,817) 1999-09-29

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[21] **2,362,880**  
[13] A1  
[51] **Int.Cl. 7C10L 1/10 7C10L 10/00 7B01J 13/02 7C10L 1/02 7C10L 10/02 7C10L 1/32**  
[25] EN  
[54] **LIPID VESICLE-BASED FUEL ADDITIVES AND LIQUID ENERGY SOURCES CONTAINING SAME**  
[54] **ADDITIFS DE CARBURANT A BASE DE VESICULES LIPIDIQUES ET SOURCES D'ENERGIE LIQUIDES RENFERMANT CES ADDITIFS**  
[72] MATHUR, RAJIV, US  
[71] IGEN, INC., US  
[85] 2001-08-15  
[86] 2000-02-17 (PCT/US2000/004126)  
[87] 2000-08-24 (WO2000/049108)  
[30] US (09/252,546) 1999-02-19

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[21] **2,362,900**  
[13] A1  
[51] **Int.Cl. 7G01N 33/49 7G01N 11/16**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MEASURING HEMOSTASIS**  
[54] **PROCEDE ET APPAREIL DESTINES A LA MESURE DE L'HEMOSTASE**  
[72] RAVIN, GABRIEL, US  
[72] DELMENICO, PETER R., US  
[72] GEORGE, WILLIAM R., US  
[72] LAKE, JOHN A., US  
[72] COHEN, ELI, US  
[71] HAEMOSCOPE CORPORATION, US  
[85] 2001-08-21  
[86] 2000-02-22 (PCT/US2000/004538)  
[87] 2000-08-24 (WO2000/049402)  
[30] US (09/255,099) 1999-02-22

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[21] **2,362,901**  
[13] A1  
[51] **Int.Cl. 7G02B 6/18 7G03F 7/24 7G03F 7/26 7G03F 7/38**  
[25] EN  
[54] **METHODS OF PHOTSENSITIZING GLASSES WITH HYDROGEN OR DEUTERIUM AND WAVEGUIDES RESULTING THEREFROM**  
[54] **PROCEDES DE PHOTSENSIBILISATION DE VERRES A L'AIDE D'HYDROGENE OU DE DEUTERIUM ET GUIDES D'ONDES AINSI OBTENUS**  
[72] WIGLEY, PETER G., US  
[72] KOHNKE, GLENN E., US  
[72] NIGHTINGALE, DANNY W., US  
[71] CORNING INCORPORATED, US  
[85] 2001-08-14  
[86] 2000-01-27 (PCT/US2000/001928)  
[87] 2000-08-24 (WO2000/049437)  
[30] US (09/252,151) 1999-02-18

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[21] **2,362,902**  
[13] A1  
[51] **Int.Cl. 7G02B 17/00 7G02B 3/00 7G02B 3/02**  
[25] EN  
[54] **OBJECTIVE LENS**  
[54] **LENTILLE D'OBJECTIF**  
[72] MIURA, KAZUO, JP  
[71] SONY COMPUTER ENTERTAINMENT INC., JP  
[85] 2001-08-16  
[86] 2000-02-18 (PCT/US2000/004327)  
[87] 2000-08-24 (WO2000/049445)  
[30] JP (11/42408) 1999-02-19

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[21] **2,362,905**  
[13] A1  
[51] **Int.Cl. 7H04L 9/32 7H04Q 7/38**  
[25] EN  
[54] **AN AUTHENTICATION METHOD**  
[54] **PROCEDE D'AUTHENTIFICATION**  
[72] HUIIMA, ANTTI, FI  
[71] NOKIA NETWORKS OY, FI  
[85] 2001-08-10  
[86] 2000-02-10 (PCT/EP2000/001076)  
[87] 2000-08-17 (WO2000/048358)  
[30] GB (9903124.7) 1999-02-11

## Demandes PCT entrant en phase nationale

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[21] **2,362,917**  
[13] A1  
[51] **Int.Cl. 7A61K 31/70 7A61P 35/00 7A61K 31/122**  
[25] EN  
[54] **METHODS FOR ANTI-TUMOR THERAPY**  
[54] **THERAPIE ANTITUMORALE**  
[72] BRAUDE, IRWIN, US  
[71] CELLPATH, INC., US  
[85] 2001-08-13  
[86] 2000-02-10 (PCT/US2000/003564)  
[87] 2000-08-17 (WO2000/047215)  
[30] US (60/119,943) 1999-02-12

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[21] **2,362,919**  
[13] A1  
[51] **Int.Cl. 7C09D 151/08 7C08J 7/04 7C09D 133/06 7C09D 161/20 7B05D 7/26 7C08G 18/62**  
[25] EN  
[54] **SUBSTRATE COVERED BY SEVERAL COATING LAYERS**  
[54] **SUBSTRAT RECOUVERT DE PLUSIEURS COUCHES DE REVETEMENT**  
[72] EISS, DIETER, DE  
[72] METZGER, WALTER, DE  
[72] SINGER, DEBRA L., US  
[72] CIRANI, GIANCARLO, IT  
[72] SWARUP, SHANTI, US  
[72] MCMILLAN, ROBYN E., US  
[72] REDDY, JAMES E., US  
[72] SADVARY, RICHARD J., US  
[71] PPG INDUSTRIES OHIO, INC., US  
[85] 2001-08-14  
[86] 2000-02-09 (PCT/US2000/003623)  
[87] 2000-08-24 (WO2000/049100)  
[30] US (09/250,527) 1999-02-16  
[30] US (09/329,408) 1999-06-10

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[21] **2,362,920**  
[13] A1  
[51] **Int.Cl. 7H01L 29/36**  
[25] EN  
[54] **INTEGRATED CIRCUIT COMPRISING AN INDUCTOR WHICH PREVENTS LATCH-UP AND A METHOD FOR ITS MANUFACTURE**  
[54] **CI MUNI D'UNE BOBINE D'INDUCTION EMPECHANT LE VERROUILLAGE ET PROCEDE DE FABRICATION ASSOCIE**  
[72] BOHLIN, KJELL, SE  
[72] TYLSTEDT, OLA, SE  
[72] MAGNUSSON, ULF, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
[85] 2001-08-13  
[86] 2000-02-10 (PCT/SE2000/000263)  
[87] 2000-08-17 (WO2000/048253)  
[30] SE (9900498-8) 1999-02-15

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[21] **2,362,922**  
[13] A1  
[51] **Int.Cl. 7H01T 13/34 7H01T 13/41**  
[25] EN  
[54] **CONTACT GLASS COMPOSITION FOR USE IN SPARK PLUGS**  
[54] **COMPOSITION DE VERRE A CONTACT POUR BOUGIES D'ALLUMAGE**  
[72] WOODRUFF, PHILIP R., US  
[72] FREDRICK, RALPH, US  
[72] GOLDACKER, JEFF A., US  
[72] DUNFEE, HAROLD E., US  
[72] SCHREINER, DUANE L., US  
[72] YOUNG, CHING T., US  
[71] ALLIEDSIGNAL INC., US  
[85] 2001-08-13  
[86] 2000-02-14 (PCT/US2000/003788)  
[87] 2000-08-17 (WO2000/048279)  
[30] US (09/249,522) 1999-02-12

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[21] **2,362,925**  
[13] A1  
[51] **Int.Cl. 7A61K 31/70**  
[25] EN  
[54] **METHODS OF TREATMENT OF MITOCHONDRIAL DISORDERS**  
[54] **PROCEDES DE TRAITEMENT DE TROUBLES MITOCHONDRIAUX**  
[72] NAVIAUX, ROBERT K., US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2001-08-20  
[86] 2000-02-23 (PCT/US2000/004663)  
[87] 2000-08-31 (WO2000/050043)  
[30] US (60/121,588) 1999-02-23

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[21] **2,362,926**  
[13] A1  
[51] **Int.Cl. 7C12N 1/20 7C12Q 3/00 7C12P 19/02 7C12Q 1/02 7C12P 17/04 7C12P 7/60**  
[25] EN  
[54] **METHOD FOR PRODUCING L-SORBOSE**  
[54] **PROCEDE DE PREPARATION DE L-SORBOSE**  
[72] NIELSEN, KIRSTEN HOGH, DK  
[72] JAKOBSEN, ANNE-METTE, DK  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2001-08-14  
[86] 2000-02-18 (PCT/EP2000/001370)  
[87] 2000-08-24 (WO2000/049133)  
[30] DE (199 07 115.2) 1999-02-19

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[21] **2,362,927**  
[13] A1  
[51] **Int.Cl. 7A61K 47/10 7A61K 47/02 7A61P 7/04 7A61K 47/18 7A61K 9/19**  
[25] EN  
[54] **NOVEL ALBUMIN-FREE FACTOR VIII FORMULATIONS**  
[54] **NOUVELLES FORMULATIONS DE FACTEUR VIII SANS ALBUMINE**  
[72] JAMEEL, FEROZ, US  
[72] BESMAN, MARC, US  
[72] BJORNSON, ERIK, US  
[72] PIKAL, MICHAEL, US  
[72] KASHI, RAMESH, US  
[72] CARPENTER, JOHN, US  
[72] TCHESALOV, SERGUEI, US  
[71] BAXTER INTERNATIONAL INC., US  
[71] UNIVERSITY OF CONNECTICUT, US  
[85] 2001-08-13  
[86] 2000-02-22 (PCT/US2000/040068)  
[87] 2000-08-24 (WO2000/048635)  
[30] US (09/255,279) 1999-02-22  
[30] US (09/452,752) 1999-12-01

## PCT Applications Entering the National Phase

[21] **2,362,928**  
[13] A1

[51] **Int.Cl. 7A61K 31/70 7A61P 11/06 7A61K 39/35**  
[25] EN  
[54] **VACCINE FOR HOUSE DUST MITE ALLERGEN USING NAKED PLASMID DNA**  
[54] **VACCIN CONTRE L'ALLERGIE AUX ACARIENS DETRITICOLES CONTENANT UN ADN PLASMIDIQUE NU**  
[72] YOO, TAI-JUNE, US  
[71] YOO, TAI-JUNE, US  
[85] 2001-08-24  
[86] 2000-02-25 (PCT/US2000/004780)  
[87] 2000-08-31 (WO2000/050044)  
[30] US (60/121,547) 1999-02-25

[21] **2,362,932**  
[13] A1

[51] **Int.Cl. 7A61K 31/44 7A61P 1/04 7A61K 9/10**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITION CONTAINING PROTON PUMP INHIBITORS**  
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DES INHIBITEURS DE LA POMPE A PROTONS**  
[72] FREEHAUF, KEITH, US  
[71] MERCK & CO., INC., US  
[85] 2001-08-21  
[86] 2000-02-18 (PCT/US2000/004170)  
[87] 2000-08-31 (WO2000/050038)  
[30] US (60/121,253) 1999-02-23

[21] **2,362,934**  
[13] A1

[51] **Int.Cl. 7A61K 35/78**  
[25] EN  
[54] **SUGAR IMBALANCE AND DIABETES TREATING HERBAL FORMULATION**  
[54] **FORMULATION A BASE DE PLANTES MEDICINALES POUR LES PATHOLOGIES DIABETIQUES ET GLUCIDIQUES**  
[72] HUO, YU SHU, CN  
[72] WINTERS, WENDELL D., US  
[72] LO, SOU JEN, TW  
[71] PHYCOTELL RESEARCH, INC, US  
[85] 2001-08-24  
[86] 2000-02-25 (PCT/US2000/005054)  
[87] 2000-08-31 (WO2000/050055)  
[30] US (09/257,842) 1999-02-25

[21] **2,362,936**  
[13] A1

[51] **Int.Cl. 7C12N 9/12 7A61P 35/00 7C12N 15/11 7A61K 38/17 7C07K 16/40 7G01N 33/53 7C12N 15/54 7C12N 15/63**  
[25] EN  
[54] **A CASPASE ACTIVATED PROTEIN KINASE**  
[54] **PROTEINE KINASE ACTIVEE PAR LA CASPASE**  
[72] SABOURIN, LUC A., CA  
[72] RUDNICKI, MICHAEL A., CA  
[71] MCMASTER UNIVERSITY, CA  
[85] 2001-08-17  
[86] 2000-02-18 (PCT/CA2000/000165)  
[87] 2000-08-24 (WO2000/049139)  
[30] US (60/120,784) 1999-02-19

[21] **2,362,937**  
[13] A1

[51] **Int.Cl. 7A61K 38/00 7A61K 38/04 7A61K 38/16**  
[25] EN  
[54] **TAXANE DERIVATIVES FOR TARGETED THERAPY OF CANCER**  
[54] **DERIVES DE TAXANE POUR THERAPIE CIBLEE CONTRE LE CANCER**  
[72] SAFAVY, AHMAD, US  
[71] THE UAB RESEARCH FOUNDATION, US  
[85] 2001-08-23  
[86] 2000-02-23 (PCT/US2000/004551)  
[87] 2000-08-31 (WO2000/050059)  
[30] US (60/121,642) 1999-02-24

[21] **2,362,939**  
[13] A1

[51] **Int.Cl. 7C12N 15/10 7C12P 19/34**  
[25] EN  
[54] **METHOD FOR PRODUCING POLYMERS**  
[54] **PROCEDE DE PRODUCTION DE POLYMERES**  
[72] STAHLER, PEER F., DE  
[72] MULLER, MANFRED, DE  
[72] STAHLER, CORD F., DE  
[71] FEBIT FERRARIUS BIOTECHNOLOGY GMBH, DE  
[85] 2001-08-13  
[86] 2000-02-18 (PCT/EP2000/001356)  
[87] 2000-08-24 (WO2000/049142)  
[30] DE (199 07 080.6) 1999-02-19  
[30] DE (199 28 843.7) 1999-06-24  
[30] DE (199 40 752.5) 1999-08-27  
[30] EP (PCT/EP99/06316) 1999-08-27  
[30] DE (199 57 116.3) 1999-11-26

[21] **2,362,943**  
[13] A1

[51] **Int.Cl. 7C12N 15/11 7A61K 48/00 7A01K 67/027 7C12N 15/12 7C07K 16/18 7C07K 14/47 7G01N 33/50 7C12Q 1/68**  
[25] EN  
[54] **PYK2 BINDING PROTEINS**  
[54] **PROTEINES FIXATRICES PYK2**  
[72] SCHLESSINGER, JOSEPH, US  
[72] ANDREEV, JULIAN, US  
[71] SUGEN, INC., US  
[85] 2001-08-21  
[86] 2000-02-18 (PCT/US2000/004647)  
[87] 2000-08-24 (WO2000/049144)  
[30] US (60/121,125) 1999-02-22

[21] **2,362,946**  
[13] A1

[51] **Int.Cl. 7F16K 17/18**  
[25] EN  
[54] **MIXING ADAPTOR AND SYSTEM**  
[54] **ADAPTATEUR ET SYSTEME DE MELANGE**  
[72] LARSEN, ROBERT, US  
[72] FISCHER, DAN E., US  
[71] ULTRADENT PRODUCTS, INC., US  
[85] 2001-08-10  
[86] 2000-02-07 (PCT/US2000/003140)  
[87] 2000-08-24 (WO2000/049319)  
[30] US (09/251,887) 1999-02-19

[21] **2,362,949**  
[13] A1

[51] **Int.Cl. 7C08J 7/04 7C09D 7/12**  
[25] EN  
[54] **GAS BARRIER COATING SYSTEM FOR POLYMERIC FILMS AND RIGID CONTAINERS**  
[54] **REVETEMENT ETANCHE AU GAZ POUR FILMS POLYMERES ET RECIPIENTS RIGIDES**  
[72] BARSOTTI, ROBERT J., US  
[72] WINTER, DEREK JOHN, GB  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2001-08-07  
[86] 2000-02-15 (PCT/US2000/003802)  
[87] 2000-08-24 (WO2000/049072)  
[30] US (09/251,082) 1999-02-16

## Demandes PCT entrant en phase nationale

[21] **2,362,951**  
[13] A1

[51] **Int.Cl. 7C07C 17/02 7C07C 23/02**  
[25] EN  
[54] **AN IMPROVED PROCESS FOR PRODUCING HEXABROMOCYCLODODECANE**  
[54] **PROCEDE DE PREPARATION D'HEXABROMOCYCLODODECANE AMELIORE**  
[72] APLIN, JEFFREY T., US  
[72] KENDALL, JOHN K., US  
[71] ALBEMARLE CORPORATION, US  
[85] 2001-08-10  
[86] 2000-02-15 (PCT/US2000/003833)  
[87] 2000-08-31 (WO2000/050368)  
[30] US (09/253,874) 1999-02-22  
[30] US (09/353,181) 1999-07-14  
[30] US (09/373,639) 1999-08-13

[21] **2,362,963**  
[13] A1

[51] **Int.Cl. 7C12N 15/12 7C12N 5/10 7C07K 16/18 7C07K 14/47 7G01N 33/50 7C12N 15/62**  
[25] EN  
[54] **HUMAN SUPPRESSOR OF FUSED PROTEINE FUSIONNEE**  
[54] **SUPPRESSEUR HUMAIN DE PROTEINE FUSIONNEE**  
[72] WOOD, WILLIAM I., US  
[72] DE SAUVAGE, FREDERIC J., US  
[72] GURNEY, AUSTIN L., US  
[72] MURONE, MAXIMILIEU, US  
[72] STONE, DONNA M., US  
[72] ROSENTHAL, ARNON, US  
[71] GENENTECH, INC., US  
[85] 2001-08-24  
[86] 2000-03-02 (PCT/US2000/005746)  
[87] 2000-09-08 (WO2000/052166)  
[30] US (60/123,090) 1999-03-05  
[30] US (60/135,736) 1999-05-25

[21] **2,362,964**  
[13] A1

[51] **Int.Cl. 7C12N 15/54 7C12N 9/00 7C12P 21/00 7C12N 5/10 7C12N 9/10 7C12N 15/11 7C12Q 1/68**  
[25] EN  
[54] **FUCOSYL TRANSFERASE GENE**  
[54] **GENE DE TRANSFERASE DE FUCOSYLE**  
[72] ALTMANN, FRIEDRICH, AT  
[71] ALTMANN, FRIEDRICH, AT  
[85] 2001-08-17  
[86] 2000-02-17 (PCT/AT2000/000040)  
[87] 2000-08-24 (WO2000/049153)  
[30] AT (A 270/99) 1999-02-18

[21] **2,363,009**  
[13] A1

[51] **Int.Cl. 7C12N 15/12 7C12P 21/02 7A01K 67/027 7C12N 5/10 7A61K 38/17 7C07K 16/28 7G01N 33/53 7C12Q 1/68 7C07K 14/705**  
[25] EN  
[54] **LEUKOCYTE- AND BLOOD-ASSOCIATED PROTEINS**  
[54] **PROTEINES ASSOCIEES AUX LEUCOCYTES ET AU SYSTEME SANGUIN**  
[72] AZIMZAI, YALDA, US  
[72] LU, DYUNG AINA M., US  
[72] HILLMAN, JENNIFER L., US  
[72] BAUGHN, MARIAH R., US  
[72] LAL, PREETI, US  
[72] YUE, HENRY, US  
[72] TANG, Y. TOM, US  
[71] INCYTE PHARMACEUTICALS, INC., US  
[85] 2001-08-13  
[86] 2000-02-29 (PCT/US2000/005153)  
[87] 2000-09-08 (WO2000/052161)  
[30] US (60/122,080) 1999-03-01

[21] **2,363,048**  
[13] A1

[51] **Int.Cl. 7A61K 31/00 7A61K 38/08 7C07K 1/113 7A61K 38/14 7A61K 38/17 7C07K 14/47**  
[25] EN  
[54] **TREATMENT OF TRAUMA**  
[54] **PROCEDE DE TRAITEMENT DE TRAUMATISME**  
[72] FRANKLIN, RICHARD, GB  
[72] COWLING, DIDIER, GB  
[72] HUBBELL, JEFFREY A., CH  
[71] PHAIRSON MEDICAL, INC., GB  
[85] 2001-08-21  
[86] 1999-06-29 (PCT/US1999/014751)  
[87] 2000-08-31 (WO2000/049991)  
[30] US (09/256,484) 1999-02-23

[21] **2,363,074**  
[13] A1

[51] **Int.Cl. 7A61K 38/24 7A61P 15/08 7A61K 31/575**  
[25] EN  
[54] **TREATMENT OF INFERTILITY**  
[54] **TRAITEMENT DE L'INFECONDITE**  
[72] GRONDAHL, CHRISTIAN, DK  
[71] NOVO NORDISK A/S, DK  
[85] 2001-08-23  
[86] 2000-02-23 (PCT/DK2000/000073)  
[87] 2000-08-31 (WO2000/050065)  
[30] DK (PA 199900256) 1999-02-24  
[30] US (60/130,662) 1999-04-23  
[30] DK (PA 199901307) 1999-09-16

[21] **2,363,095**  
[13] A1

[51] **Int.Cl. 7A61K 47/48 7C07K 14/415**  
[25] EN  
[54] **GLYCOCONJUGATES OBTAINED FROM CANDIDA UTILIS CELLS AND RICINUS COMMUNIS SEEDS**  
[54] **GLYCOCONJUGUES OBTENUS A PARTIR DE CELLULES DE CANDIDA UTILIS ET DE GRAINES DE RICINUS COMMUNIS**  
[72] BRIEVA DELGADO, AURORA, ES  
[72] GARCIA VILLARRUBIA, VICENTE, ES  
[72] GUERRERO GOMEZ-PAMO, ANTONIO, ES  
[72] PIVEL RANIERI, JUAN PABLO, ES  
[72] GIMENEZ GALLEGO, GUILLERMO, ES  
[72] MATJI TUDURI, JOSE ANTONIO, ES  
[71] INDUSTRIAL FARMACEUTICA CANTABRIA, S.A., ES  
[85] 2001-08-20  
[86] 1999-10-21 (PCT/ES1999/000338)  
[87] 2000-08-31 (WO2000/050087)  
[30] ES (P 9900408) 1999-02-26

[21] **2,363,105**  
[13] A1

[51] **Int.Cl. 7A61N 1/30**  
[25] EN  
[54] **DEVICE FOR IONTOPHORESIS**  
[54] **DISPOSITIF D'IONOPHORESE**  
[72] MAEDA, HIROYUKI, JP  
[72] INOUE, KAZUTAKA, JP  
[72] ADACHI, HIROTOSHI, JP  
[72] HIGO, NARUHITO, JP  
[71] HISAMITSU PHARMACEUTICAL CO., INC., JP  
[85] 2001-08-20  
[86] 2000-02-16 (PCT/JP2000/000850)  
[87] 2000-08-31 (WO2000/050119)  
[30] JP (11/45696) 1999-02-24

[21] **2,363,108**  
[13] A1

[51] **Int.Cl. 7B29C 47/30 7B05C 5/02 7B29C 47/02 7B29C 47/68**  
[25] EN  
[54] **EXTRUSION DIE**  
[54] **FILIERE D'EXTRUSION**  
[72] VINSON, KENNETH D., US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-08-20  
[86] 2000-02-09 (PCT/US2000/003326)  
[87] 2000-08-31 (WO2000/050216)  
[30] US (09/258,497) 1999-02-26



## PCT Applications Entering the National Phase

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[21] **2,363,110**  
[13] A1  
[51] **Int.Cl. 7B29C 47/70 7B29C 47/14 7B29C 47/16 7B05D 1/26 7B29C 47/30**  
[25] EN  
[54] **EXTRUSION APPARATUS FOR EXTRUDING CONTINUOUS LAYER OF EXTRUDATE**  
[54] **EXTRUDEUSE PRODUISANT UNE COUCHE CONTINUE D'EXTRUDAT**  
[72] FICKE, JONATHAN, US  
[72] SOLBERG, BRUCE J., US  
[72] TATERA, GERALD, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-08-20  
[86] 2000-02-09 (PCT/US2000/003327)  
[87] 2000-08-31 (WO2000/050217)  
[30] US (09/258,498) 1999-02-26

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[21] **2,363,115**  
[13] A1  
[51] **Int.Cl. 7B23D 1/00**  
[25] EN  
[54] **CUTTING INSERT WITH CHIP CONTROL**  
[54] **PIECE DE COUPE RAPPORTEE REGULANT LA PRODUCTION DE COPEAUX**  
[72] JOHNSON, WILLIAM B., US  
[72] KUMAR, SUMANTH, US  
[72] WILKEN, LINDA E., US  
[72] HOEFLER, BRIAN D., US  
[71] INGERSOLL CUTTING TOOL COMPANY, US  
[85] 2001-08-22  
[86] 2000-02-15 (PCT/US2000/003823)  
[87] 2000-08-31 (WO2000/050192)  
[30] US (09/256,514) 1999-02-23

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[21] **2,363,118**  
[13] A1  
[51] **Int.Cl. 7A61K 39/385 7A61K 39/00 7C07K 16/00 7A61P 31/00 7C07K 14/285 7C07K 14/575**  
[25] EN  
[54] **IMMUNOGENS COMPRISING A PEPTIDE AND A CARRIER DERIVED FROM H.INFLUENZAE PROTEIN D**  
[54] **IMMUNOGENES COMPRENANT UN PEPTIDE ET SUPPORT DERIVE DE HAEMOPHILUS INFLUENZAE**  
[72] COSTE, MICHEL, BE  
[72] VERRIEST, CHRISTOPHE, BE  
[72] VAN-MECHELEN, MARCELLE PAULETTE, BE  
[72] LOBET, YVES, BE  
[71] SMITHKLINE BEECHAM BIOLOGICALS S.A., BE  
[85] 2001-08-23  
[86] 2000-02-22 (PCT/EP2000/001457)  
[87] 2000-08-31 (WO2000/050077)  
[30] GB (9904405.9) 1999-02-25  
[30] GB (9904408.3) 1999-02-25  
[30] GB (9904412.5) 1999-02-25  
[30] GB (9919260.1) 1999-08-13

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[21] **2,363,119**  
[13] A1  
[51] **Int.Cl. 7A61L 33/18**  
[25] EN  
[54] **HEMOCOMPATIBLE SURFACES AND METHOD FOR PRODUCING SAME**  
[54] **SURFACES HEMOCOMPATIBLES ET PROCEDE PERMETTANT DE LES PREPARER**  
[72] HOFFMANN, MICHAEL, DE  
[72] HORRES, ROLAND, DE  
[71] HOFFMANN, MICHAEL, DE  
[71] HORRES, ROLAND, DE  
[85] 2001-08-24  
[86] 2000-02-24 (PCT/EP2000/001497)  
[87] 2000-08-31 (WO2000/050106)  
[30] DE (199 08 318.5) 1999-02-26

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[21] **2,363,120**  
[13] A1  
[51] **Int.Cl. 7B22D 41/00 7B22D 11/10 7B22D 41/58**  
[25] EN  
[54] **TUNDISH IMPACT PAD**  
[54] **SUPPORT D'IMPACT POUR PANIER DE COULEE**  
[72] CLARK, MICHAEL ROBERT, GB  
[71] FOSECO INTERNATIONAL LIMITED, GB  
[85] 2001-08-13  
[86] 2000-02-17 (PCT/GB2000/000518)  
[87] 2000-08-31 (WO2000/050190)  
[30] GB (9903937.2) 1999-02-22

---

[21] **2,363,123**  
[13] A1  
[51] **Int.Cl. 7A61K 9/20 7A61K 9/48**  
[25] EN  
[54] **SOLID ORAL DOSAGE FORM CONTAINING AN ENHANCER**  
[54] **DOSE ORALE SOLIDE CONTENANT UN AGENT DE POTENTIALISATION**  
[72] CUMMING, KENNETH IAIN, IE  
[72] RAMTOOLA, ZEBUNNISSA, IE  
[71] ELAN CORPORATION, PLC, IE  
[85] 2001-08-21  
[86] 2000-02-22 (PCT/GB2000/000628)  
[87] 2000-08-31 (WO2000/050012)  
[30] US (60/121,048) 1999-02-22

---

[21] **2,363,126**  
[13] A1  
[51] **Int.Cl. 7A61K 9/20**  
[25] EN  
[54] **RAPIDLY-SOLUBLE COMPOSITIONS**  
[54] **COMPOSITIONS A DISSOLUTION INSTANTANEE**  
[72] COLACO, CAMILO, GB  
[72] MARTYN, GLEN PATRICK, GB  
[71] QUADRANT HEALTHCARE (UK) LIMITED, GB  
[85] 2001-08-14  
[86] 2000-02-22 (PCT/GB2000/000630)  
[87] 2000-08-31 (WO2000/050013)  
[30] GB (9904049.5) 1999-02-22

## Demandes PCT entrant en phase nationale

[21] **2,363,131**  
[13] A1

[51] **Int.Cl. 7A61K 31/5575**  
[25] EN  
[54] **METHOD AND COMPOSITION FOR PREVENTION OF SCAR FORMATION IN GLAUCOMA FILTRATION BLEB AND DRAINAGE FISTULA**  
[54] **METHODE ET COMPOSITION DE PREVENTION DE LA FORMATION DE CICATRICES DANS UNE BULLE DE FILTRATION DE GLAUCOME ET UNE FISTULE DE DRAINAGE**  
[72] STJERNESCHANTZ, JOHAN, SE  
[72] RESUL, BAHRAM, SE  
[71] SYNPHORA AB, SE  
[85] 2001-08-23  
[86] 2000-02-23 (PCT/SE2000/000357)  
[87] 2000-08-31 (WO2000/050040)  
[30] SE (9900672-8) 1999-02-25

[21] **2,363,144**  
[13] A1

[51] **Int.Cl. 7B26D 7/06 7B26D 3/28**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PRODUCING A CONTINUOUS WEB FROM A BLOCK OF MATERIAL**  
[54] **PROCEDE ET APPAREIL DE PRODUCTION D'UNE BANDE CONTINUE A PARTIR D'UN BLOC DE MATIERE**  
[72] SABATELLI, DAVID ALBERT, US  
[72] SHIVELEY, THOMAS MICHAEL, US  
[72] DESMARAIS, THOMAS ALLEN, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-08-20  
[86] 2000-02-18 (PCT/US2000/004350)  
[87] 2000-08-31 (WO2000/050205)  
[30] US (09/255,126) 1999-02-22

[21] **2,363,146**  
[13] A1

[51] **Int.Cl. 7A61K 39/02**  
[25] EN  
[54] **CAULOBACTER LPS IMMUNOADJUVANT**  
[54] **IMMUNOADJUVANT DE LPS DE CAULOBACTER**  
[72] SMIT, JOHN, CA  
[72] QURESHI, NILOFER, US  
[72] LANGERMANN, SOLOMON, US  
[72] KOENIG, SCOTT, US  
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA  
[85] 2001-08-20  
[86] 2000-02-22 (PCT/US2000/004384)  
[87] 2000-08-31 (WO2000/050073)  
[30] US (60/121,120) 1999-02-22

[21] **2,363,153**  
[13] A1

[51] **Int.Cl. 7A61L 27/36 7A61L 31/00**  
[25] EN  
[54] **LOAD-BEARING OSTEOIMPLANT, METHOD FOR ITS MANUFACTURE AND METHOD OF REPAIRING BONE USING SAME**  
[54] **IMPLANT OSSEUX PORTEUR, SON PROCEDE DE FABRICATION ET PROCEDE DE REPARATION D'UN OS A L'AIDE DE CET IMPLANT OSSEUX**  
[72] SHIMP, LAWRENCE A., US  
[72] BOYCE, TODD M., US  
[72] MANRIQUE, ALBERT, US  
[71] OSTEOTECH, INC., US  
[85] 2001-08-22  
[86] 2000-02-22 (PCT/US2000/004408)  
[87] 2000-08-31 (WO2000/050102)  
[30] US (09/256,447) 1999-02-23

[21] **2,363,269**  
[13] A1

[51] **Int.Cl. 7A01N 63/00 7A61K 39/00 7A01N 65/00 7C12N 15/00 7C12P 21/06 7C12N 15/08 7C12N 15/09 7A61K 39/38 7C12N 15/63 7A61K 31/70 7C12N 15/70 7C12N 15/74 7C12N 15/85 7C12N 15/87**  
[25] EN  
[54] **DNA VACCINATION FOR TREATMENT OF AUTOIMMUNE DISEASE**  
[54] **VACCINATION PAR ADN POUR LE TRAITEMENT DE MALADIES AUTO-IMMUNES**  
[72] STEINMAN, LAWRENCE, US  
[72] GARREN, HIDEKI, US  
[72] RUIZ, PEDRO JOSE, US  
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US  
[85] 2001-09-10  
[86] 2000-03-10 (PCT/US2000/006233)  
[87] 2000-09-14 (WO2000/053019)  
[30] US (09/267,590) 1999-03-12

[21] **2,363,488**  
[13] A1

[51] **Int.Cl. 7G01N 33/00 7A61K 38/00 7C12N 15/00 7C07H 21/02 7C07H 21/04 7A01N 43/04 7C12N 15/09 7C12P 19/34 7A61K 39/395 7A61K 39/40 7A61K 39/42 7A61K 39/44**  
[25] EN  
[54] **HEART ABNORMALITIES IN VASCULAR ENDOTHELIAL GROWTH FACTOR B (VEGF-B) DEFICIENT ANIMALS AND METHODS RELATING TO THESE HEART ABNORMALITIES**  
[54] **ANOMALIES CARDIAQUES CHEZ LES ANIMAUX CARENCES EN FACTEUR DE CROISSANCE VASCULAIRE ENDOTHELIALE B (VEGF-B) ET METHODES RELATIVES A CES ANORMALITES CARDIAQUES**  
[72] THOREN, PETER, SE  
[72] AASE, KARIN, SE  
[72] ERIKSSON, ULF, SE  
[71] LUDWIG INSTITUTE FOR CANCER RESEARCH, US  
[85] 2001-08-30  
[86] 2000-03-03 (PCT/US2000/005465)  
[87] 2000-09-08 (WO2000/052462)  
[30] US (60/160,083) 1999-03-03

## **PCT Applications Entering the National Phase**

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

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[21] **2,362,110**  
[13] A1  
[51] Int.Cl. 7G06F 13/12 7G06F 3/06  
7G06K 9/18 7G06K 9/20  
[25] EN  
[54] PCMCIA INTERFACE CARD FOR  
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[54] CARTE D'INTERFACE PCMCIA  
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QUE LECTEURS DE CODE-BARRES  
[72] POSTMAN, JOEL ROBERT, US  
[72] MILLER, GEORGE BENSON, US  
[72] BERGEN, DAVID PETER, US  
[72] FISH, RONALD CRAIG, US  
[71] PSC INC., US  
[22] 1995-04-25  
[43] 1995-11-09  
[62] 2,188,399  
[30] US (08/236,630) 1994-04-29

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[21] **2,362,337**  
[13] A1  
[51] Int.Cl. 7C07D 211/34 7A61K 31/445  
[25] EN  
[54] NOVEL INTERMEDIATES FOR  
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DIPHENYLMETHOXY PIPERIDINE  
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[54] NOUVEAUX INTERMEDIAIRES  
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DIPHENYLMETHOXY PIPERIDINE,  
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[72] KRAUSS, RICHARD CARL, US  
[72] WU, WEISHI WILSON, US  
[72] RUDISILL, DUANE ERIC, US  
[72] WOLF, RICHARD APPLEBY, US  
[72] CARR, ALBERT ANTHONY, US  
[72] KRUPER, WILLIAM JOHN, US  
[72] HAY, DAVID ALLEN, US  
[72] PANZONE, GIANBATTISTA, US  
[72] SCORTICHINI, CAREY LEE, US  
[72] STROM, ROBERT MICHAEL, US  
[71] MERRELL PHARMACEUTICALS  
INC., US  
[22] 1994-05-26  
[43] 1995-01-05  
[62] 2,166,059  
[30] US (08/082,693) 1993-06-25  
[30] US (08/144,084) 1993-10-27  
[30] US (08/237,466) 1994-05-11

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[21] **2,362,339**  
[13] A1  
[51] Int.Cl. 7C07D 211/34 7A61K 31/445  
[25] EN  
[54] NOVEL INTERMEDIATES FOR  
THE PREPARATION OF  
ANTIHISTAMINIC 4-  
DIPHENYLMETHYL/  
DIPHENYLMETHOXY PIPERIDINE  
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[54] NOUVEAUX INTERMEDIAIRES  
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[72] STROM, ROBERT MICHAEL, US  
[72] KRUPER, WILLIAM JOHN, US  
[72] SCORTICHINI, CAREY LEE, US  
[72] RUDISILL, DUANE ERIC, US  
[72] CARR, ALBERT ANTHONY, US  
[72] WOLF, RICHARD APPLEBY, US  
[72] WU, WEISHI WILSON, US  
[72] HAY, DAVID ALLEN, US  
[72] KRAUSS, RICHARD CARL, US  
[72] PANZONE, GIANBATTISTA, US  
[71] MERRELL PHARMACEUTICALS  
INC., US  
[22] 1994-05-26  
[43] 1995-01-05  
[62] 2,166,059  
[30] US (08/082,693) 1993-06-25  
[30] US (08/144,084) 1993-10-27  
[30] US (08/237,466) 1994-05-11

**Canadian Divisional and Previously Unavailable Laid-Open applications**

[21] **2,362,530**  
[13] A1

[51] **Int.Cl. 7A61N 5/00**  
[25] EN  
[54] **VASCULAR SYSTEM TREATING METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DU SYSTEME VASCULAIRE**  
[72] MELOUL, RAPHAEL F., US  
[72] CROCKER, IAN R., US  
[72] LARSEN, CHARLES E., US  
[72] HILLSTEAD, RICHARD A., US  
[72] WAKSMAN, RON, US  
[72] WELDON, THOMAS D., US  
[72] ROSEN, JONATHAN J., US  
[71] NOVOSTE CORPORATION, US  
[22] 1995-10-23  
[43] 1996-05-09  
[62] 2,203,362  
[30] US (08/330,327) 1994-10-27

[21] **2,362,614**  
[13] A1

[51] **Int.Cl. 7A61N 5/00**  
[25] EN  
[54] **VASCULAR SYSTEM TREATING METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DU SYSTEME VASCULAIRE**  
[72] MELOUL, RAPHAEL F., US  
[72] HILLSTEAD, RICHARD A., US  
[72] ROSEN, JONATHAN J., US  
[72] CROCKER, IAN R., US  
[72] LARSEN, CHARLES E., US  
[72] WELDON, THOMAS D., US  
[72] WAKSMAN, RON, US  
[71] NOVOSTE CORPORATION, US  
[22] 1995-10-23  
[43] 1996-05-09  
[62] 2,203,362  
[30] US (08/330,327) 1994-10-27

[21] **2,362,632**  
[13] A1

[51] **Int.Cl. 7C07D 279/12 7C07D 241/04 7C07D 265/36**  
[25] EN  
[54] **R-SUBSTITUTED-2- OR 3-AMINOMETHYL-4-AMINO-3,4-DIHYDRO-2H-1,4-BENZOXAZINES AS INTERMEDIATES FOR PRODUCING ANALGESIC AGENTS**  
[54] **R-SUBSTITUE-2 OU 3-AMINOMETHYLE-4-AMINO-3,4-DIHYDRO-2H-1,4-BENZOXAZINES COMME PINTERMEDIAIRES POUR PRODUIRE DES AGENTS ANALGESIQUES**  
[72] BELL, MALCOLM RICE, US  
[72] D'AMBRA, THOMAS EDWARD, US  
[71] SANOFI-SYNTHELABO, FR  
[22] 1989-12-28  
[43] 1990-06-29  
[62] 2,006,769  
[30] US (291,905) 1988-12-29  
[30] US (447,469) 1989-12-07

[21] **2,362,559**  
[13] A1

[51] **Int.Cl. 7A61N 5/00**  
[25] EN  
[54] **VASCULAR SYSTEM TREATING METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DU SYSTEME VASCULAIRE**  
[72] MELOUL, RAPHAEL F., US  
[72] WAKSMAN, RON, US  
[72] HILLSTEAD, RICHARD A., US  
[72] ROSEN, JONATHAN J., US  
[72] CROCKER, IAN R., US  
[72] LARSEN, CHARLES E., US  
[72] WELDON, THOMAS D., US  
[71] NOVOSTE CORPORATION, US  
[22] 1995-10-23  
[43] 1996-05-09  
[62] 2,203,362  
[30] US (08/330,327) 1994-10-27

[21] **2,362,617**  
[13] A1

[51] **Int.Cl. 7A61N 5/00**  
[25] EN  
[54] **VASCULAR SYSTEM TREATING METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DU SYSTEME VASCULAIRE**  
[72] MELOUL, RAPHAEL F., US  
[72] WAKSMAN, RON, US  
[72] CROCKER, IAN R., US  
[72] HILLSTEAD, RICHARD A., US  
[72] ROSEN, JONATHAN J., US  
[72] LARSEN, CHARLES E., US  
[72] WELDON, THOMAS D., US  
[71] NOVOSTE CORPORATION, US  
[22] 1995-10-23  
[43] 1996-05-09  
[62] 2,203,362  
[30] US (08/330,327) 1994-10-27

[21] **2,362,719**  
[13] A1

[51] **Int.Cl. 7C07D 401/04 7A61K 31/445 7A61K 31/4545 7A61K 31/455**  
[25] EN  
[54] **USE OF NICOTINIC ANALOGS FOR TREATMENT OF DEGENERATIVE DISEASES OF THE NERVOUS SYSTEM**  
[54] **UTILISATION D'ANALOGUES NICOTINIQUES POUR LE TRAITEMENT DES MALADIES DEGENERATIVES DU SYSTEME NERVEUX**  
[72] KEM, WILLIAM R., US  
[72] MEYER, EDWIN M., US  
[72] ZOLTEWICZ, JOHN A., US  
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US  
[22] 1992-02-27  
[43] 1992-09-17  
[62] 2,105,071  
[30] US (662,867) 1991-03-01

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

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[21] **2,362,944**

[13] A1

[51] **Int.Cl. 7C07D 207/14 7C07D 207/06  
7C07D 207/08 7C07D 215/54**

[25] EN

[54] **OPTICAL ISOMERS OF -3-(1,1-DIALKYLATED)-1-AMINOMETHYL-PYRROLIDINE]**

[54] **ISOMERES OPTIQUES DE -3-(1,1-DIALKYLATED)-1-AMINOMETHYL-PYRROLIDINE]**

[72] SUTO, MARK JAMES, US

[72] HAGEN, SUSAN ELIZABETH, US

[71] WARNER-LAMBERT COMPANY, US

[22] 1991-11-12

[43] 1992-06-11

[62] 2,095,361

[30] US (621,101) 1990-11-30

[30] US (730,362) 1991-07-15

---

[21] **2,362,968**

[13] A1

[51] **Int.Cl. 7A23D 7/015 7C11C 3/00  
7A23L 1/30**

[25] EN

[54] **FAT BASED FOOD PRODUCTS**

[54] **PRODUITS ALIMENTAIRES A  
BASE DE GRAISSES**

[72] LIEVENSE, LOURUS CORNELIS, NL

[71] UNILEVER PLC, GB

[22] 1996-05-31

[43] 1996-12-05

[62] 2,222,771

[30] EP (95201444.7) 1995-06-01

[30] EP (95202042.8) 1995-07-25

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[21] **2,362,972**

[13] A1

[51] **Int.Cl. 7C07D 333/46 7C07D 311/02  
7C07C 39/10 7C07C 225/20 7C07D 311/74  
7C07D 213/89**

[25] EN

[54] **RING-SUBSTITUTED 2-AMINO-  
1,2,3,4-**

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3-AMINOCHROMANES**

[54] **2-AMINO-1,2,3,4-**

**TETRAHYDRONAPHTHALENES ET 3-  
AMINOCHROMANES SUBSTITUES**

[72] FLAUGH, MICHAEL EDWARD, US

[72] SCHAUS, JOHN MEHNER, US

[72] TITUS, ROBERT DANIEL, US

[71] ELI LILLY AND COMPANY, US

[22] 1990-02-21

[43] 1990-08-27

[62] 2,010,542

[30] US (315,752) 1989-02-27

## **Canadian Divisional and Previously Unavailable Laid-Open applications**

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ASANO, YOICHI	2,352,356	CONKIE, ALISTAIR D.	2,351,988	F. HOFFMANN-LA ROCHE AG	
ASULAB S.A.	2,352,009	COOPER TECHNOLOGIES			2,351,789
AT&T CORP.	2,351,842	COMPANY	2,351,879	F1 CO., LTD.	2,348,343
AT&T CORP.	2,351,988	COSTA, JOSE M.	2,345,858	FAFNIR GMBH	2,351,960
AUSLENDER, LEONID	2,313,385	COTE, SHELDON	2,356,086	FALLON, MARK DESMOND	2,329,470
AUSTEN, GARY ASHLEY	2,350,284	COWEN, ALLEN BRUCE	2,351,992	FARINE, PIERRE-ANDRE	2,352,009
AVERY DENNISON		CREOSCITEX CORPORATION		FAST, LISA	2,351,899
CORPORATION	2,350,920	LTD.	2,348,118	FELDHAUS., STEPHAN	2,313,233
AVIDOR, DAN	2,345,169	CRESPIN, PIERRE	2,352,018	FERREIRA, VALDEMAR	2,351,956
BABIN, DENIS L.	2,352,040	CUHACI, MICHEL	2,352,106	FIROUZI, ELHAM	2,352,009
BAILLARGEON, RODRIGUE	2,344,747	CYBERSCAN TECHNOLOGY,		FLEISCHLI, JACK A.	2,316,579
BAILLEU, ANETT	2,352,012	INC.	2,313,630	FOGARTY, THOMAS J.	2,351,794
BAUMER ELECTRIC AG	2,352,012	CYOP SYSTEMS INC.	2,351,799	FOGARTY, THOMAS J.	2,351,917
BAUR, RUEDIGER	2,351,953	DAIDO KOGYO CO., LTD.	2,351,931	FONTAINE, BERNARD	2,351,823
BAVANT, MARC	2,351,503	DAIKYO SEIKO, LTD.	2,351,767	FONTAO, LIONEL	2,352,409
BEBECAR - UTILIDADES		DAVI, DANIELE	2,352,283	FORD GLOBAL	
PARA CRIANCA, LDA	2,351,956	DAVIS, SIMON PAUL	2,351,020	TECHNOLOGIES, INC.	2,351,911
BECKERS, JASON	2,313,283	DAVIS, SIMON PAUL	2,351,024	FRANCESCHELLI, ANTHONY	
BEIER, BERNARD	2,350,243	DAWSON, MARK	2,352,272	JOHN	2,351,281
BENDER, MARK	2,325,307	DE CALAN, DIDIER	2,351,493	FRANCIS, DANIEL F.	2,342,304
BENEFIT TECHNOLOGIES,		DE COURSSOU, THIERRY		FRANCIS, DANIEL F.	2,342,307
INC.	2,313,295	BRUNET	2,313,630	FRANCIS, DANIEL F.	2,342,312
BERG TECHNOLOGY, INC.	2,350,088	DEC INTERNATIONAL, INC.	2,351,073	FRANCO, ANDREINO	2,313,309
BERG TECHNOLOGY, INC.	2,350,290	DEERE & COMPANY	2,329,470	FRANZ-BURGHOLZ, ARNIM	2,352,012
BERTON, CYRIL	2,352,400	DEERE & COMPANY	2,352,677	FRITZKE, MARK A.	2,333,825
BINDRA, JASJIT SINGH	2,352,005	DEGTIAREV, OLEG	2,313,385	FUKUDA, KAORU	2,352,356
BLAND, MARK C.	2,350,184	DEGUSSA-HULS		FUKUTA, MASAKAZU	2,351,972
BOCCHIARDO, LIVIO	2,313,309	AKTIENGESELLSCHAFT	2,351,929	FURUKAWA ELECTRIC CO.,	
BOGER, ETHAN	2,351,281	DELAGEY, MARK OWEN	2,350,284	LTD.	2,351,775
BROWN, MICHAEL	2,351,701	DELATTRE, MICHEL	2,351,503	FURUKAWA, HIROSHI	2,351,984
BUCHETON, DANIEL	2,350,151	DELAVAUX, JEAN-MARC		GALLAGHER, WARREN	2,351,899
BUNDESDRUCKEREI GMBH	2,352,012	PIERRE	2,351,268	GATTO, JEAN-MARIE	2,313,630
CALENDA, VALERIE	2,352,409	DELLE PIANE, ALBERTO	2,351,510	GELEN, MARCEL JOHN	2,314,197
CALVI, JOHN ADRIAN	2,314,197	DEMANGONE, DREW A.	2,350,088	GEISENBERGER, JOSEF	2,352,394
CAMENZIND, EDOARDO	2,352,409	DEMONE, PAUL	2,313,286	GELBART, DANIEL	2,348,118
CASTILLO, ARTHUR G.	2,350,920	DHULER, VIJAYAKUMAR		GELLERT, JOBST ULRICH	2,352,040
CAWTHORNE, MICHAEL		RUDRAPPA	2,351,992	GENERAL ELECTRIC	
ANTHONY	2,352,005			COMPANY	2,344,628



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GENERAL ELECTRIC COMPANY	2,351,281	HORIKAWA, KEN	2,352,038	LEUTNER, KURT	2,352,397
GENERAL ELECTRIC COMPANY	2,351,284	HORVATH, CHRISTOPHER	2,323,842	LEVIN, MICHAEL	2,313,385
GENERAL ELECTRIC COMPANY	2,351,895	HOYLE, SCOTT BAXTER	2,351,560	LEVIS, KATHIA	2,352,106
GENLYTE THOMAS GROUP LLC	2,342,304	HUANG, ZHISONG	2,350,920	LEWIS AUSTRALIA PTY LTD	2,314,197
GENLYTE THOMAS GROUP LLC	2,342,306	HUDON, CLAUDE	2,321,361	LI, CHI-YUAN	2,313,619
GENLYTE THOMAS GROUP LLC	2,342,312	HUSSEIN, HAMDY HASSAN MOHAMED	2,357,065	LIAO, GORDON	2,313,591
GIEBEL, MIKE	2,352,273	HYDRO-QUEBEC	2,321,361	LIN, YU	2,345,189
GILLINGHAM, PETER B.	2,313,275	HYMAN, ANDREW A.	2,313,295	LIOTTA, GARY CHARLES	2,344,628
GINGERICH, RICHARD G.W.	2,349,992	INAZAWA, TSUGUO	2,351,912	LITTLE, GRAEME	2,314,197
GISELBRECHT, KARLHEINZ	2,352,402	INTERNATIONAL BUSINESS MACHINES CORPORATION	2,346,609	LOCKHEED MARTIN CORPORATION	2,351,560
GLODICH, JOHN	2,350,906	INTERNATIONAL BUSINESS MACHINES CORPORATION	2,346,610	LONG, WEIHONG	2,313,273
GLOOR, ARNOLD	2,351,789	INTRALASE CORPORATION	2,323,842	L'OREAL	2,351,924
GOMEZ, JUAN MARIO	2,351,284	IRIE, YUICHIRO	2,351,775	LOSENSKY, HANS-WILLI	2,351,929
GRASS, GERD	2,352,032	ITO, HIROSHI	2,351,266	LU, BINGFENG	2,313,273
GRAY, GEOFFREY EDWARD	2,314,197	ITTIPIBOON, APISAK	2,352,106	LUCENT TECHNOLOGIES, INC.	2,344,956
GREAT DANE POWER EQUIPMENT, INC.	2,350,184	IZUMI PRODUCTS COMPANY	2,352,007	LUCENT TECHNOLOGIES, INC.	2,345,169
GRIFFIN, SHAWN	2,351,899	JAEGER, WILLIAM R.	2,313,295	LUCENT TECHNOLOGIES, INC.	2,345,181
GROS, OLIVER	2,352,397	JDS UNIPHASE CORPORATION	2,351,992	LUCENT TECHNOLOGIES, INC.	2,345,314
GROVER, GARTH KNEELAND	2,344,628	JDS UNIPHASE INC.	2,348,112	LUCENT TECHNOLOGIES, INC.	2,347,063
GRUENDLER, HANSJOERG	2,351,789	JLV INDUSTRIES PTY LTD.	2,351,302	LUCENT TECHNOLOGIES, INC.	2,351,268
GUERET, JEAN-LOUIS H.	2,351,924	JOHNSON, LEWIS R.	2,350,290	MACCHI, DUILIO	2,351,510
GUILLOT, ROGER R.G.	2,312,687	JOHNSON, WILLIAM	2,351,302	MACHOLDT, HANS-TOBIAS	2,351,953
GUTMANN, ROLAND	2,352,012	JONES, KEITH WILLIAM	2,314,197	MAGUIRE, MICHAEL	2,352,024
HALTER, PETER	2,352,012	JOSEPH, THOMAS PETER	2,351,281	MAHADEVAN, RAMASWAMY	2,351,992
HAMILTON, MICHAEL ROBERT	2,314,197	JUHASZ, TIBOR	2,323,842	MAHL, MAURICE	2,351,784
HAMMETT, ROY	2,351,909	KABUSHIKI KAISHA TOKAI RIKI DENKI SEISAKUSHO	2,351,972	MAJORELL, ARNE RONALD	2,351,153
HAMMOND, PETER W.	2,352,070	KAMDAR, KIRTI P.	2,351,794	MANTEIGA, JOHN ALAN	2,351,281
HARA, YOSHINOBU	2,351,997	KAMYCHEV, ALEXEI	2,313,385	MANTHA, RAMESH	2,313,314
HASEGAWA, SATOSHI	2,352,416	KANAOKA, NAGAYUKI	2,352,356	MARCU, ELIZABETH	2,313,375
HATTORI, MAKOTO	2,350,090	KANEKO, TAKUSHI	2,351,829	MARKS, ROBERT JERROLD	2,347,063
HAYASHI, NAHOTO	2,349,939	KATAYAMA, ETSUJI	2,351,775	MARTIN, WAYNE JEROME	2,351,895
HAYMAN, JAMES BARRY MARTYN	2,313,278	KATY, BANSI LAI	2,351,953	MASSENGILL, R. KEMP	2,351,876
HEARN, JOHN P.	2,345,314	KAWADA, MINORU	2,350,090	MATHIEU, CHRISTIAN	2,314,542
HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT	2,350,243	KAYAHARA, TOSHIHIRO	2,325,145	MATTHEWS, KIM N.	2,345,314
HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF INDUSTRY	2,352,106	KIELLAND, PETER	2,313,428	MCCANN, PETER JAMES	2,347,063
HERMANSEDER, RUDOLF HILL, BRADLEY B.	2,351,794	KLUMB, KATHERINE J.	2,351,794	MCCLURE, RICHARD J.	2,351,876
HILL, EDWARD ARTHUR	2,351,992	KNOPP, JONATHAN	2,313,283	MCGOWAN, NEIL	2,345,858
HILLER, THOMAS LLOYD	2,347,063	KOCHEROVSKY, YEVGENY	2,352,002	McGREGOR, ANDREW	2,345,858
HIRABAYASHI, AKIRA	2,352,007	KOMIYA, HISASHI	2,351,912	MCGUGAN, EDWARD	2,313,291
HONDA GIKEN KOGYO KABUSHIKI KAISHA	2,351,997	KONERMANN, STEFAN	2,352,465	MCINTOSH, CHRISTOPHER MICHAEL	2,351,268
HONDA GIKEN KOGYO KABUSHIKI KAISHA	2,352,074	KOTT, NORBERT	2,313,229	MCMILLEN, WILLIAM THOMAS	2,351,829
HONDA GIKEN KOGYO KABUSHIKI KAISHA	2,352,356	KRONOTEC AG	2,351,299	MCNEAL, AARON	2,313,283
		KUBATA, MICHIRU	2,352,038	MCNEIL-PPC, INC.	2,351,814
		KUNTER, STEFAN	2,351,960	MCSWEENEY, MICHAEL ANTHONY	2,351,560
		KURARAY CO., LTD.	2,349,939	MCTEIGUE, DANIEL	2,351,814
		KUROKAWA, YOSHIO	2,351,931	MEISINGER, MICHAEL J.	2,317,995
		KURTZ, RONALD M.	2,323,842	MENZEL, HEIDEMARIE	2,352,394
		L.A.C. DI ALBERTENGO & C. SNC	2,313,309	MERINO-LOPEZ, JOSE	2,351,781
		LAMANNA, ROCCO	2,313,325	MESSIER-BUGATTI	2,350,151
		LAMBERT, WILLIAM SCOTT	2,349,939	MICHEL, EDUARD	2,351,953
		LANDIS, CHRISTINE KAY	2,350,920	MICHELIN RECHERCHE ET TECHNIQUE S.A.	2,351,781
		LARSON, DAVID ALLEN	2,329,470	MIKA, DAVID PETER	2,351,153
		LAZARIDIS, MIHAL	2,351,701	MIKHAILONSKI, VIKTOR	2,312,596
		LEGEAI, THIERRY	2,350,278		

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MITEL KNOWLEDGE		PARSCHAT, LOTHAR	2,313,233	INDUSTRIES LIMITED	2,350,284
CORPORATION	2,351,899	PATHIYAL, KRISHNA K.	2,352,024	SAWAMURA, TADASHI	2,351,912
MITEL KNOWLEDGE		PETERSON, OREN V.	2,352,102	SCAG, DANE T.	2,350,184
CORPORATION	2,352,017	PETERSON, RANDALL		SCHAFFER, JAY	2,352,273
MITSUBISHI HEAVY		STANLEY ERNEST	2,351,799	SCHMIDT-HEBBEL, HARALD	2,352,016
INDUSTRIES, LTD.	2,350,090	PETOSA, ALDO	2,352,106	SCHOTT GLAS	2,352,397
MIURA CO., LTD.	2,325,145	PETROGIANNIS, TOMMY	2,313,589	SCHRITTENLACHER,	
MIZUTANI, TEIJI	2,331,226	PETRYNA, THOMAS M.	2,345,223	WOLFGANG	2,351,960
MOLD-MASTERS LIMITED	2,352,040	PFIZER PRODUCTS INC.	2,351,829	SCHULZ, DIETER	2,352,017
MOLLET, RONALD E.	2,351,879	PFLIEGER, DOMINIQUE	2,351,953	SCOGGIN, B. HEATH	2,351,879
MOMOSE, KAZUHIRO	2,352,007	PHYTOPHARM PLC	2,352,005	SEGAMI, HIDEAKI	2,351,931
MOORE, WILLIAM THOMAS	2,348,112	PIGA, ANTONIO	2,313,270	SEKI, YOSHIYUKI	2,351,972
MORAND, ADAM JASON	2,351,799	PIKE, ROBERT LEESON	2,313,229	SEKITA, MASAAHIKO	2,351,931
MORRIS, GARNET G.	2,321,809	PILLAI, RAVIVAJ S.	2,351,814	SEKITA, MASUMI	2,350,090
MORRISON, STEVEN B.	2,313,606	PILOSSOF,NISSIM	2,348,118	SHIH, FRANK YEN-JER	2,350,920
MOSAID TECHNOLOGIES		PLAST-CONTROL		SHIMIZU, TAKEOIS	2,351,775
INCORPORATED	2,313,275	GERATEBAU GMBH	2,352,465	SHIN-ETSU BIO, INC.	2,318,537
MOSAID TECHNOLOGIES		PLATFORM COMPUTING		SHIN-ETSU CHEMICAL CO.,	
INCORPORATED	2,313,286	(BARBADOS) INC.	2,313,273	LTD.	2,318,537
MUKAI, YASUAKI	2,351,931	PLATT, WILLIAM J.	2,345,189	SHIRLEY, RALPH EDWIN	2,329,470
MUKHERJEE, SAYANDEV	2,345,169	PLESCHIUTSCHNIGG, FRITZ-		SILANIS TECHNOLOGY INC.	2,313,589
NADEAU, PAUL	2,313,362	PETER	2,313,233	SIMON, ULRICH	2,351,929
NAKAGAWA, FUJIO	2,351,912	POLLOCK, THOMAS J.	2,318,537	SIMON, WERNER	2,351,789
NANAUMI, MASAARI	2,352,356	POTTER, JOHN	2,348,178	SLYNE, WILLIAM J.	2,313,307
NARAYANASWAMI,		POWELL, FOYE	2,352,002	SMS SCHLOEMANN-SIEMAG	
CHANDRASEKHAR	2,346,609	PRIMA INDUSTRIE SPA	2,351,510	AKTIENGESELLSCHAFT	2,313,233
NARAYANASWAMI,		PRODUCTION CONTROL		SNELGROVE, MARTIN	2,313,314
CHANDRASEKHAR	2,346,610	UNITS, INC.	2,349,664	SPINO, MICHAEL	2,313,270
NEC CORPORATION	2,351,984	RAIKO, VADIM	2,352,465	STAFFORD, STEPHANIE A.	2,351,776
NEC CORPORATION	2,352,416	REEVE, ANDREW	2,350,778	STEFANCIC, DARIO	2,313,358
NEUVILLE, PASCAL	2,352,409	REEVE, ANDREW	2,351,020	STEINER, KARL	2,352,016
NEWMAN, EDWARD G.	2,325,163	REEVE, ANDREW	2,351,024	STEMEN, RANDY S.	2,349,664
NG, RICHARD	2,325,165	REHDER, ROBERT HENRY	2,351,895	STEWART, DAN	2,352,273
NGK SPARK PLUG CO., LTD.	2,351,936	REID, GREGORY	2,313,273	STRYDOM, DERIK	2,350,284
NGO, HUNG VIET	2,350,290	REITERMAN, LEE	2,352,002	SUAREZ, CARLOS G.	2,323,842
NICHIHA CO., LTD.	2,351,266	RESEARCH IN MOTION		SUDO, MORIHIRO	2,351,767
NIEMIRA, JAMES K.	2,317,995	LIMITED	2,351,701	SUGITA, HARUOMI	2,351,931
NIHON ALMIT CO., LTD.	2,351,912	RESEARCH IN MOTION		SUMITOMO ELECTRIC	
NIIGATA UNIVERSITY	2,332,162	LIMITED	2,352,024	INDUSTRIES, LTD.	2,352,038
NIIGATA UNIVERSITY	2,332,250	REZNICK, ALLAN E.	2,321,809	SUNBEAM PRODUCTS, INC.	2,352,273
NIPPER, JUANDA J.	2,351,776	RIEM-VIS, RUUD	2,352,009	SUZUKI, TAKAHIRO	2,351,936
NIPPON CHEMICAL		ROBERGE, BRIAN R.	2,342,306	SZERESZEWSKI, JULIUSZ	2,348,112
INDUSTRIAL CO., LTD.	2,352,038	ROBICON CORPORATION	2,352,070	TACHINO, KAZUHIRO	2,325,145
NORO, HIROFUMI	2,351,931	ROBINSON, RANDY S.	2,349,664	TAKAMIZAWA, YUICHIRO	2,352,416
NORSEMAN PLASTICS		RODRIGUES, ORLANDO	2,342,304	TANAKA, YASUYUKI	2,352,038
LIMITED	2,351,909	RODRIGUES, ORLANDO	2,342,312	TANIGAKI, RYUHEI	2,350,090
NORTEL NETWORKS		ROKE MANOR RESEARCH		TECH MASTER S.A.	2,352,072
LIMITED	2,345,858	LIMITED	2,350,778	TEMPEL STEEL COMPANY,	
NUMERICAL		ROKE MANOR RESEARCH		INC.	2,325,307
TECHNOLOGIES		LIMITED	2,351,020	TETELBAUM, MICHAEL	2,352,017
KABUSHIKI KAISHA	2,342,128	ROKE MANOR RESEARCH		THALES	2,351,503
NUMERICAL		LIMITED	2,351,024	THE KANSAI ELECTRIC	
TECHNOLOGIES		ROWE, RAYMOND GRANT	2,351,153	POWER CO., INC.	2,352,038
KABUSHIKI KAISHA	2,342,134	RUBIN, IAN DUNCAN	2,352,005	THERRIEN, JEAN-PAUL	2,312,675
NUSSBAUM, JEFFREY		RYOO, JEONG-DONG	2,345,169	THERRIEN, JEAN-PAUL	2,312,676
HOWARD	2,351,284	S&C ELECTRIC COMPANY	2,317,995	THOMAS, ERIK P.	2,342,304
O'DONNELL, RICHARD H.	2,313,276	S.A.R.L. ARTBOIS	2,350,278	THOMAS, ERIK P.	2,342,306
OKANOUE, KAZUHIRO	2,351,984	SAAR, DAVID A.	2,351,699	THOMAS, ERIK P.	2,342,307
OLARU, GEORGE T.	2,352,040	SAITO, NOBUHIRO	2,352,356	THOMAS, ERIK P.	2,342,312
OLIVE, WILSON H.	2,321,809	SAITO, YOSHIKI	2,332,162	THOMAS, RONALD	2,348,128
ONNEN, MARLIN MARTIN	2,329,470	SAITO, YOSHIKI	2,332,250	THOMPSON, WILLIAM A.	2,345,181
OSRAM SYLVANIA INC.	2,349,992	SANTIMAW, EDWARD	2,352,002	THOROE SCHERB, THOMAS	2,352,016
OTSUBO, TOSHIFUMI	2,350,009	SANTOS, EMANUEL	2,351,956	TOKUDA, NOBUYUKI	2,352,038
PAESCHKE, MANFRED	2,352,012	SARKAR, CHITTO R.	2,350,920	TOMIMASU, KAZUHIRO	2,350,090
PAGEAU, DANIEL	2,313,375			TORII, HIDEYUKI	2,342,128

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TORREZ, JAIME ALBERTO	2,351,879	CO.	2,333,825
TOTAL RAFFINAGE		WILSON, WILLIAM LARRY	2,344,956
DISTRIBUTION S.A.	2,352,018	WILUSZ, CHRISTOPHER	
TOULANY, SALEEM	2,313,301	JAMES	2,351,281
TOULOUSE, JEAN	2,351,268	WINSTEAD, VINCENT	2,351,911
TRANSGENE S.A.	2,352,409	WOOD, ROBERT L.	2,351,992
TRINLER, MARTIN	2,352,677	WORTHINGTON	
TROUP, ROBERT EUGENE	2,351,281	ARMSTRONG VENTURE	2,345,189
TRUS JOIST MACMILLAN		WOSCH, ERWIN	2,313,233
LIMITED	2,313,229	WROBLEWSKI, DARIUSZ	2,351,876
TSEN, CHIN YU	2,313,303	WURTELE, SCOTT	2,313,283
TSUBASA SYSTEM CO., LTD.	2,331,226	WUZIK, ANDREAS	2,352,394
TSUDA, TOSHIAKI	2,351,775	WYNN, DAVID W.	2,351,814
TUDOR, RICHARD	2,352,677	XYBERNAUT CORPORATION	
TYCHSEN, DETLEF	2,351,299		2,325,163
UCHIDA, JIYUNJI	2,351,997	XYBERNAUT CORPORATION	
UEKI HOUSE KABUSHIKI			2,325,165
KAISHA	2,313,263	YAMAGISHI, KOJI	2,351,507
UEKI, TADASHI	2,313,263	YAMAGUCHI, TAKEHARU	2,351,775
UNETA, HISASHI	2,352,074	YAMAMOTO, HIROKI	2,350,009
UNI-CHARM CORPORATION	2,350,009	YAMAMOTO, NORMAN	2,350,920
UNI-CHARM CORPORATION	2,351,104	YAMAZAKI, SHUNTARO	2,351,984
UNIQUE PRODUCT & DESIGN		YANAGI, SHOJIRO	2,348,343
CO., LTD.	2,313,591	YANO, SADAHIDE	2,352,028
UNITECHNIQUES	2,352,400	YKK CORPORATION	2,351,507
VALENITE INC.	2,352,002	YOSHIDA, MASAKI	2,351,104
VAN HEESWYK, FRANK	2,313,290	YU, CHRISTOPHER C.	2,345,314
VAN HEESWYK, FRANK	2,313,314	YUGEN KAISHA YANO	
VANDERPOOL, CLARENCE		ENGINEERING	2,352,028
D.	2,349,992	ZERBEL, HANS	2,352,012
VASCULAR ARCHITECTS,		ZHANG, BENJAMIN	2,312,597
INC.	2,351,794	ZHANG, FUBO	2,313,273
VASCULAR ARCHITECTS,		ZIEGLER, DANIEL C.	2,345,189
INC.	2,351,917		
VAXIS THERAPEUTICS			
CORP.	2,313,430		
VEGA SALINAS, DANIEL			
EDUARDO	2,352,072		
VENTURINI, MAURICE	2,350,278		
VIVENDI UNIVERSAL			
EDUCATION FRANCE	2,351,493		
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