AFFIDAVIT

IN THE MATTER OF
Petition for *Inter Partes* Review
of U.S. Patent No. 9,0109,29

I, **GARY M. TRAVIS**, residing in the City of Toronto, Province of Ontario, CANADA, Barrister and Solicitor, do hereby make oath and say as follows:

1. I am a Partner with the Toronto, CANADA law firm Riches, McKenzie & Herbert LLP.

2. For more than thirty (30) years I have been licensed to practice law as a Barrister and Solicitor in Ontario by the Law Society of Ontario, or its predecessor in name the Law Society of Upper Canada. I have been a registered Canadian Patent Agent since 1992 and currently hold a Patent Agent License in good standing with the Canadian College of Patent Agents and Trademark Agents. My practice has been exclusively in the field of intellectual property law, including the filing and prosecution of patent applications in the Canadian Intellectual Property Office (CIPO).

3. Under the Canadian *Patent Act* and *Rules* in force since 1989, absent a confidentiality order, Canadian patent applications designated with a two million series serial number are laid open to public inspection by CIPO eighteen (18) months following the earlier of the Canadian application filing date, or where a claim of priority was made to an earlier application filed within the preceding twelve (12) months, the filing date of the earlier priority case.

4. Under Canadian patent practice, once a Canadian patent application is laid open to public inspection by CIPO, any individual may on request obtain a copy of the patent application as filed, as well as its associated prosecution correspondence.

5. According to the CIPO online records, Canadian Patent Application Serial No. 2,362,895 was filed on 13 November 2001 and claimed priority to earlier Canadian Patent Application Serial No. 2,351,660 filed 26 June 2001. Under the Canadian *Patent Act* and *Rules* in force in 2001 and 2002, the confidentiality of Application CA2362895 ended and the application was opened to public inspection with effect from 26 December 2002. Under CIPO policies, after this date, during Patent Office business hours, any individual would then have been entitled to review the Patent Office records in respect of Application CA2362895, and/or order and obtain a copy of the application and prosecution file history.

6. Marked and shown to me as Exhibit "A" to this my Affidavit is a printout of paragraph 8.02.04 of the Canadian Patent Office Manual of Patent Office Practice (MOPOP) which has been excerpted from the CIPO website *manuels-manuals.opic-cipo.gc.ca*, and which overviews CIPO policy as it relates to Canadian patent applications which have been laid open to public inspection.

7. Marked and shown to me as Exhibit "B" to this my Affidavit is a printout of the Canadian Patent Administrative Status Data Dictionary which has been downloaded from the website *https://publications.gc.ca/site/eng/9.868485/publication.html,* and which overviews the availability of Canadian patent applications to public inspection following the expiry of confidentiality periods.

8. Marked and shown to me as Exhibit "C" to this my Affidavit is a partial printout from the CIPO website *https://www.ic.gc.ca/opic-cipo/cpor/eng/home.html*, of an archived copy of the January 14, 2003 Canadian Patent Office Record (CPOR), Vol. 131 No. 2, and which on page 37 lists Canadian Patent Application Serial No. 2,362,895 as being laid open between 22 December 2002 – 28 December 2002, and which identifies the application title, inventor, filing date, priority date, and classification particulars for the purposes of subject matter identification and searching.

9. The indicated classification parameters in the CPOR are provided to facilitate subject matter identification to aid in the identification of relevant applications and patent searching. Marked and shown to me as Exhibit "D" to this my Affidavit are photocopies of Paragraph 17 of the 1990 Transitional Edition of the MOPOP which overviews the purpose of CIPO's classification services as a searching aid for both Examiners, inventors and researchers.

SWORN BEFORE ME at the City of)
Toronto, in the Province of Ontario, CANADA)
this 19th day of January 2023.)

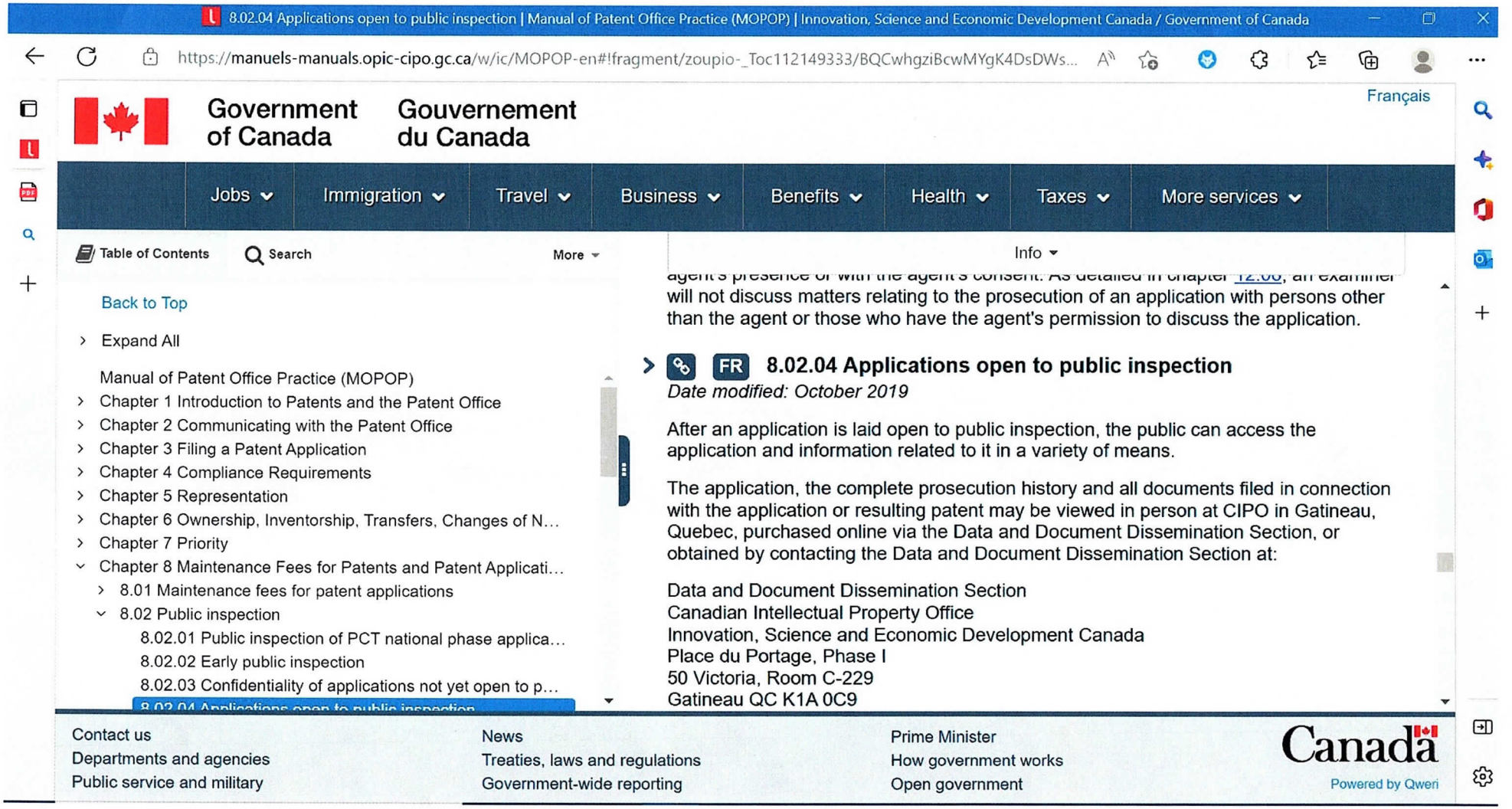
GARY M. TRAVIS

A Notary Public
Youngjun YUN

This is EXHIBIT "A" referred to in the Affidavit of **GARY M. TRAVIS** sworn before me at Toronto, Ontario, CANADA, this 19th day of January 2023.



A Notary Public
Youngjun YUN


8.02.04 Applications open to public inspection | Manual of Patent Office Practice (MOPOP) | Innovation, Science and Economic Development Canada / Government of Canada
https://manuels-manuals.opic-cipo.gc.ca/w/ic/MOPOP-en#!fragment/zoupio-_Toc112149333/BQCwhgziBcwMYgK4DsDWs...
Government of Canada
Gouvernement du Canada
Français
Jobs
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Travel
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Benefits
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Taxes
More services
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Chapter 8 Maintenance Fees for Patents and Patent Applicati...
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8.02 Public inspection
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8.02.02 Early public inspection
8.02.03 Confidentiality of applications not yet open to p...
8.02.04 Applications open to public inspection
will not discuss matters relating to the prosecution of an application with persons other than the agent or those who have the agent's permission to discuss the application.
FR
8.02.04 Applications open to public inspection
Date modified: October 2019
After an application is laid open to public inspection, the public can access the application and information related to it in a variety of means.
The application, the complete prosecution history and all documents filed in connection with the application or resulting patent may be viewed in person at CIPO in Gatineau, Quebec, purchased online via the Data and Document Dissemination Section, or obtained by contacting the Data and Document Dissemination Section at:
Data and Document Dissemination Section
Canadian Intellectual Property Office
Innovation, Science and Economic Development Canada
Place du Portage, Phase I
50 Victoria, Room C-229
Gatineau QC K1A 0C9
Contact us
Departments and agencies
Public service and military
News
Treaties, laws and regulations
Government-wide reporting
Prime Minister
How government works
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Canada
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This is EXHIBIT "B" referred to in the Affidavit of **GARY M. TRAVIS** sworn before me at Toronto, Ontario, CANADA, this 19th day of January 2023.



A Notary Public
Youngjun YUN

Canadian Intellectual Property Office

Patent Administrative Status Data Dictionary

WIPO standard XML ST.36

Version 1.0

2019-03-15

Canada

Ce document est aussi disponible en français sous le titre - Dictionnaire de données sur les états administratifs de brevets. This publication is available upon request in accessible formats.

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Cat. No. Iu71-4/68-2019E-PDF
ISBN 978-0-660-29644-9

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1.0 Overview of Canadian administrative status patent data

Canadian administrative status data contains searchable bibliographic and status information for applications open to public inspection, granted patents and public domain documents. The file structure is governed by World Intellectual Property Organization (WIPO) standard ST.36 for the presentation of patent applications and granted patents.

This section will give an overview of what patent information is supplied, the approximate volumes of data, and a description of the file structures.

Patents apply to new inventions, newly developed technology as well as to improvements on existing products or processes. A full description of what constitutes a Patent is described in the Patent Act, however, in brief, a patent is an exclusive right, granted by the Commissioner of Patents under powers given by Acts of government, to exclude others from making, using, or selling your invention in Canada.

New Act Data:
Canadian patent applications filed in Canada after October 1, 1989 fall under Section 10(2) of the New Patent Act (1989) and are open to public inspection (OPI) after a confidentiality period of 18 months has expired from the earlier of the Canadian filing date or the earliest corresponding foreign patent office priority filing date.

New act Laid-open patent applications are numbered starting with number 2,000,000 which are assigned when filed in the Patent Office.

Canadian patent applications are maintained with payment of annual maintenance fees. Applications are granted or refused after being examined by the Patent Office. A request for examination must be received within 5 years of the filing date for the Patent Office to examine the Canadian Patent application, or the application becomes abandoned. Granted patents are valid for a term of up to 20 years from the filing date, provided the annual maintenance fees are paid. Although not commonly done, granted Canadian patents can be reissued or re-examined to correct errors or defects, within statutory limitations. Canadian patent applications (A1) , Grants (C), Reissues (E) and Re-examined patents (F) all use the 2,000,000 number series as document numbers.

Old Act Data:
Patents filed prior to October 1, 1989 fall under the old Canadian Patent Act and are not laid open prior to grant. Old Act granted Canadian patents, Re-examined Canadian patent applications, Grants (A), Reissues (B), and Re-examined patents (F) are numbered consecutively from 196,677. The Reissue is given a new number from the original patent.

Old Act patents granted after October 1, 1989 are currently (*) also in force for 17 years after grant provide the annual maintenance fees are paid.

*Note: There is a possibility that the 17 year in force period may be extended to 20 years for some Old Act Patents.

2.0 Information supplied

Canadian patent data contains information about all patent applications open to public inspection, granted patents and expired applications/patents (public domain).

Where appropriate, volumes will be indicated as well as the volumes of updates and estimates of annual growth. These volumes will be rough approximations and are based on volumes at the time of this document's creation.

2.1 Patent data

The following approximate volumes have been identified as of **2019-02-11.**

	Applications
Active documents	354,624
Patents	191,011
Pending applications	163,613
Public domain	2,005,018
Weekly update average number of applications/granted patents	1,125

2.2 Other Canadian Patent Data

Along with Canadian administrative status data, CIPO also maintains a collection of Canadian patent bibliographic and full-text data which contains bibliographic data, abstract, claims and description text of new applications open to public inspection and newly granted patents. CIPO also maintains a Canadian patent biological sequence listings collection. In addition, patent grant (C) and patent application (A1) images are also available as separate products.

2.3 Admin file data availability

Weekly administrative status data is available weekly on Thursdays and includes the fields and processing dates as outlined in Appendix B.

2.4 Dates

Dates within the data are formatted YYYYMMDD. When the dates cannot be distributed in this format, they will be made available in an unstructured format.

2.5 Country and Office data

The international standard ISO 3166-1, "Codes for the representation of names of countries and their subdivisions – Country Codes", is used to represent countries for postal addresses. The WIPO standard ST.3, Two-Letter Codes for the Representation of States, Other Entities and Intergovernmental Organizations, is used to indicate the name of the country or the office with which the earlier filing was made when patent applicants claim priority filing.
When the country is missing for a postal address, the address information will be provided in an unstructured format.
For more information on WIPO standard ST.3 and the Two-Letter Codes for the Representation of States, Other Entities and Intergovernmental Organizations, please reference WIPO ST.3

http://www.wipo.int/export/sites/www/standards/en/pdf/03-03-01.pdf

2.6 Description of the dataset

The administrative status data is compressed using a compression level of normal, a compression method of Deflate and saved as a .zip extension. Please update to the latest extraction software in or to access our data.

The following elements are provided:

- Title
- Inventor(s)
- Owner(s)
- Applicant(s)
- IPC
- PCT filing number
- Owner enabling/disabling dates
- International Publication Number

Back Files:
Patent administrative status back files are available from 1997. Back file data provides the means to build an initial database.

- The Back file is approximately 6 Gb.

Weekly Files:
Weekly adminYYYYWW.zip files are made available on Wednesdays.

- each weekly file contains new and updated applications that have laid opened since the previous week and newly granted and updated patents along with a Log and OpStat files for each. The "Log" file contains a list of all patents extracted and the "OpStat" file provides statistics related to the extraction process.

- admin-YYYYWW.zip contains:
  - CA-admin-YYYYMMDD.zip
  - CA-admin-YYYYMMDDLog.rtf
  - CA-admin- YYYYMMDD.OpStat.rtf

  where the YYYYMMDD is the date of extraction

Expired patents

For patent applications filed on or after October 1, 1989 (#2,000,000 +), the maximum term of the patent is 20 years from the date the application was filed, after which time it becomes expired.

For patent applications filed before October 1, 1989 (< #1,262,016), the maximum term of the patent is normally 17 years from the date of issue, after which time it becomes expired.

In the special case of patent applications filed before October 1, 1989, (#1,262,017 to #1,999,9999) which had not expired by July 12, 2001; then the maximum term is 17 years from the date on which the patent had issued or 20 years from the filing date, whichever occurs later.

Canada does not currently grant extension of patent terms beyond the expired date.

2.7 Description of XML structure

The Canadian Administrative Status data is provided in XML format, based on WIPO ST.36, as described by the Document Type Definition (DTD) "ca-patent-document". This DTD is the Canadian version of the standard xx-patent-document DTD developed by the European Patent Office. It contains customized elements to accommodate Canadian patent data. These elements are identified by the "ca-" prefix in the element names.

Complete documentation on WIPO standard ST.36 is available at:
http://www.wipo.int/standards/en/part_03_standards.html

NOTE: The example below does not contain all possible combinations or all possible tags. It is a representative example of the layout of a typical application. For more exhaustive information, please refer to the Annex C of the WIPO site at http://www.wipo.int/standards/en/xml_material/st36/

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
3.0 Canadian Patent Document				
1.	**Canadian Patent Document**	**<ca-patent-document lang= "*en*" kind="*C*" doc-number="*2327076*" status="*GR*" dtd-version="*ca-patent-document-v2-0*" country="*CA*">**	This element contains all the information on a patent. **"lang"** contains the language of the publication. **"kind"** contains the kind code according to WIPO Standard ST.16. See the Kind Code element for the code descriptions. **"doc-number"** contains the number assigned to the patent (Patent number). **"status"** contains the code indicating the current processing state of the Patent/Application. See Appendix B **"dtd-version"** contains the document type dictionary version. For clients performing bulk processing of CIPO's ST.36 Patent XML files - either transformation or validation - the public Document Type Definition http://patents.ic.gc.ca/cipo/dtd/ca-patent-document-v2-0.dtd should be downloaded and added to their local XML Entity Catalog. Doing so will avoid an inordinate number of HTTP Get requests for the DTD and the possibility of being refused access to CIPO's web site as a potential denial-of-service threat. **"country"** contains the country code (WIPO ST.3) of the publication country (Canada).	Canadian Bibliographic Data Description Claims Abstract Language
3.1 Bibliographic Data				
2.	**Bibliographic Data**	**<ca-bibliographic-data>**	This element contains the bibliographic data of a patent.	Publication Reference
3.	**Publication Reference**	**<publication-reference>**	This element contains the information on the patent's publication.	Document ID
4.	**Patent Information**	**<document-id>**	This element contains the country code of the publishing country of the patent, the patent/application number, the Kind code of the patent and the laid-open date for Non Patent Cooperation Treaty (Non-PCT) applications.	Country Document Number Kind Date
5.	**Country of Publication**	**<country>**CA**</country>**	This element contains the country code of the publishing country as per WIPO's ST.3.	N/A

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<table>
<tr><th>No.</th><th>Data</th><th>XML ST.36 element</th><th>CIPO's description of element</th><th>Sub-element(s)</th></tr>
<tr><td>6.</td><td>Patent Application Number</td><td><doc-number>2327076</doc-number></td><td>Represents the patent/application number

(#2,000,000 (+)) for patent applications filed after Oct 1 1989 (New Act (NA); or for patents granted under the Old Patent Act (OA) with numbers (#1(+))granted after 1867, and filed prior to October 1 1989.

Notes:

1) Old Act patents are numbered consecutively based grant date starting from #1 in 1868

2) New Act patent application numbers are assigned consecutively when filed in Canada.

3) Not all New Act application numbers will be present in this file as some applications are withdrawn prior to being laid-open. (43);

4) The Canadian Patent Office does not have separate publication numbers with publication dates. Canadian patent specifications use the patent number, and Document type codes (WIPO ST.16) with the appropriate date.</td><td>N/A</td></tr>
<tr><td>7.</td><td>Kind Code</td><td><kind>C</kind></td><td>This element contains the Kind Code according to WIPO Standard ST.16.

<table><tr><th>Kind Code</th><th>Description</th></tr><tr><td>A</td><td>Grant(45) Patents granted prior to October 9 1990(1,275,150)</td></tr><tr><td>B</td><td>Reissue(48) Patents Reissued prior to September 4, 1990(1,273,566)</td></tr><tr><td>A1</td><td>Laid-open (43) Patent applications filed on or after October 1, 1989 (#2,000,001+)</td></tr><tr><td>C</td><td>Grant (45) Patents granted on or after October 16, 1990 (1,275,151+)</td></tr><tr><td>E</td><td>Reissue (48) Patents Reissued on or after October 1 1989 (1,262,017+)</td></tr><tr><td>F</td><td>Re-examined (48) Patents on or after October 11989 (1,262,017 +)</td></tr></table></td><td>N/A</td></tr>
<tr><td>8.</td><td>Laid-open date for Non PCT applications</td><td><date>20020530</date></td><td>This element contains the laid open/open to public inspection date of Non PCT applications (Type A1) of the New Act (Patent application #2,000,000+).

NOTE: The document date for Old Act patents is the Grant date

All dates are in the YYYYMMDD format.

See the element <pct-or-regional-publishing-data> for more information.</td><td>N/A</td></tr>
</table>

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
9.	**International Patent Classification (IPC) Codes**	**<classifications-ipcr>**	This element contains the patent's related International Patent Classification (IPC) codes.	International Patent Classification (IPC) Code
10.	**International Patent Classification (IPC) Code**	**<classification-ipcr sequence="*1*">**	This element the patent's related International Patent Classification (IPC) code. **"sequence"** indicates the sequence number of the IPC classification (ex: 1,2, etc. repeats for each classification)	IPC version indicator IPC classification level IPC Section Symbol IPC Class Symbol IPC Subclass Symbol IPC Group Symbol – Main Group IPC Group Symbol – Subgroup First or later position of symbols Classification value (invention or additional) Assigned classification date Classification office Original and reclassified data Source of the classification data
11.	**IPC version indicator**	**<ipc-version-indicator>**	This element contains the element containing the version date of the International Patent Classification (IPC).	IPC version date
12.	**IPC version date**	**<date>*20120101*</date>**	This element contains the version date of the International Patent Classification (IPC) as specified by IPC Reform (ex. 20060101).	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
13.	**IPC classification level indicator**	**<classification-level>*A*</classification-level>**	This element contains the classification level indicator for the IPC. The value can be C, A or S: S - classification in subclasses only C - classification in main groups only A - classification in the full IPC Note: Before January 1, 2011, the designations for the classification level indicators were: C (Core), A (Advance) and S (Subclass).	N/A
14.	**IPC Section Symbol**	**<section>*G*</section>**	This element contains the **Section Symbol** of the International Patent Classification (IPC). Each section is designated by one of the capital letters A through H. The **Section Title** linked to the Section Symbol is a very broad description of the contents of the section. The following are the titles for the eight sections: A - HUMAN NECESSITIES B - PERFORMING OPERATIONS; TRANSPORTING C - CHEMISTRY; METALLURGY D - TEXTILES; PAPER E - FIXED CONSTRUCTIONS F - MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING G - PHYSICS H – ELECTRICITY	N/A
15.	**IPC Class Symbol**	**<class>*06*</class>**	This element contains the **Class Symbol** of the International Patent Classification (IPC). Classes are a subdivision of Sections and each Class has a Class Title (Ex: G**06** COMPUTING; CALCULATING; COUNTING).	N/A
16.	**IPC Subclass Symbol**	**<subclass>*Q*</subclass>**	This element contains the **Subclass Symbol** of the International Patent Classification (IPC). Subclasses are a subdivision of the Classes and each have a Subclass Title (Ex: G06**Q** DATA PROCESSING SYSTEMS OR METHODS, SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL, SUPERVISORY OR FORECASTING PURPOSES; SYSTEMS OR METHODS SPECIALLY ADAPTED FOR ADMINISTRATIVE, COMMERCIAL, FINANCIAL, MANAGERIAL, SUPERVISORY OR FORECASTING PURPOSES, NOT OTHERWISE PROVIDED FOR [8]).	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
17.	**IPC Group Symbol – Main Group**	**<main-group>***30***</main-group>**	This element contains the **Main Group Symbol** of the International Patent Classification (IPC). The **Group Symbol** is a subdivision of the Subclass. The Main Group Symbol is the first one to three digits that appear before the oblique stroke of the Group Symbol. Each Main Group Symbol has a Main Group Title (EX: G06Q **30**/00 Commerce, e.g. shopping or e-commerce [2012.01])	N/A
18.	**IPC Group Symbol – Subgroup**	**<subgroup>***06***</subgroup>**	This element contains the **Subgroup Symbol** of the International Patent Classification (IPC). The **Group Symbol** is a subdivision of the Subclass. The Subgroup Symbol is the last two to three digits that appear after the oblique stroke of the Group Symbol. Each Subgroup Symbol has a Subgroup Title (EX: G06Q 30/**06** Buying, selling or leasing transactions [2012.01])	N/A
19.	**First or later position of symbols**	**<symbol-position>***F***</symbol-position>**	This element contains the position of the first invention information classification. The value can be first or later (F or L).	N/A
20.	**Classification value (invention or additional)**	**<classification-value>***I***</classification-value>**	This element contains the classification value indicator to differentiate between invention information and other information. The value can be: I – Invention N - Additional/Non-invention	N/A
21.	**Assigned classification date**	**<action-date>**	This element contains the date on which the classification was assigned.	Assigned classification date value
22.	**Assigned classification date value**	**<date>***20111115***</date>**	This element contains the value of the date on which the classification was assigned. Dates are in the following format: YYYMMDD.	N/A
23.	**Classification office**	**<generating-office>**	This element contains the information on the office that generated the classification data.	Classification office country code
24.	**Classification office country code**	**<country>***CA***</country>**	This element contains the 2-letter country code of the office classifying the data, as per WIPO ST.3.	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
25.	**Original and reclassified data**	**<classification-status>***R***</classification-status>**	This element contains the indication of the different types of data. The value can be: B - Basic or original data R - Reclassified data V - Various incidental changes D - Data to be deleted	N/A
26.	**Source of the classification data**	**<classification-data-source>***H***</classification-data-source>**	This element contains the identifier of the source of the classification data. The value can be: H – Human generated data/Intellectual classification by persons. M - Machine classification by the propagation of earlier intellectual classification through the use of common priorities in the patent application. G - Generated by software using automatic analysis of the content of the patent document.	N/A
27.	**Canadian Patent Classification**	**<classification-national>**	This element contains the Canadian Patent Classification (CPC). This system was used by Canada prior to October 1989 to classify inventions. Each application is assigned a main (primary) classification and can also be assigned multiple secondary classifications. The classification will be in the format: ###/###.### eg. 20/230 : 20 is the class, 230 is the subclass	Country of Canadian Patent Classification Main Canadian Patent Classification Further Canadian Patent Classification
28.	**Country of Canadian Patent Classification**	**<country>***CA***</country>**	This element contains the country code (WIPO ST.3) of the country classifying the patent.	N/A
29.	**Main Canadian Patent Classification**	**<main-classification>***210/14***</main-classification>**	This element contains the main Canadian Patent Classification (CPC).	N/A
30.	**Further Canadian Patent Classification**	**<further-classification>***26/182***</further-classification>**	This element contains further Canadian Patent Classification (CPC). This element may repeat more than once.	N/A
31.	**Application Reference Type**	**<application-reference appl-type="***NON-PCT***">**	Application reference type information contains the type of application. The application can either be PCT or NON-PCT.	Document-id

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
32.	**Application Reference Document ID**	**<document-id>**	This element contains the country code of the publishing country of the patent, and the patent/application number, for Non Patent Cooperation Treaty (Non-PCT) applications.	Country Doc-number
33.	**Application Reference Country**	**<country>***CA***</country>**	This element contains the country code (WIPO ST.3) of the country of the patent.	N/A
34.	**Document Number**	**<doc-number>***2327076***<doc-number>**	Represents the patent/application number. - OLD ACT APPLICATION NUMBER (Old Act Only): - Old Act application number for patents filed prior to October 1, 1989 - these numbers are not available prior to 1,036,300 - PATENT APPLICATION NUMBER Represents the patent/ application number # 2,000,000 (+)) for patent applications filed after Oct 1 1989 (New Act (NA); or for patents granted under the Old Patent Act (OA) with numbers (#1) granted after January 1867, and filed prior to October 1 1989. Notes: 1) Old Act patents are numbered consecutively based on grant date starting from #1. 2) New Act patent application numbers are assigned consecutively when filed in Canada. 3) Not all New Act application numbers will be present in this file as some applications are withdrawn prior to being laid-open.	N/A
35.	**Application language of filing**	**<language-of-filing>***en***<language-of-filing>**	This element contains the language code of the application: FR for French, EN for English.	N/A
36.	**Priority claims**	**<priority-claims>**	This element contains information on priority claims.	Priority-claim kind
37.	**Priority claim kind**	**<priority-claim sequence="***1***" kind="***international***">**	This element contains information on a priority claim. **"sequence"** indicates the sequence number for the priority claim (ex: 1,2, etc. repeats for each priority claim). **"kind"**	Priority claim country code Foreign patent application number(s) Priority claim date

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
38.	**Priority claim country code**	**<country>***EP***</country>**	The two letter country code of the corresponding priority application according to WIPO ST.3	N/A
39.	**Foreign patent application number(s)**	**<doc-number>***PCT/EP02/07169***</doc-number>**	The number of the corresponding foreign Priority application.	N/A
40.	**Priority claim date**	**<date>***20020628***</date>**	The date of the corresponding foreign Priority application. All dates are in the YYYYMMDD format.	N/A
41.	**Patent English title**	**<invention-title lang="en">***PROBIOTIC STRAINS, A PROCESS FOR THE SELECTION OF THEM, COMPOSITIONS THEREOF, AND THEIR USE***</invention-title>**	This element contains the English title of the Patent/Application.	N/A
42.	**Patent French title**	**<invention-title lang="fr">***SOUCHES PROBIOTIQUES, LEUR PROCEDE DE SELECTION, COMPOSITIONS ASSOCIEES ET LEUR UTILISATION***</invention-title>**	This element contains the French title of the Patent/Application.	N/A
43.	**Dates of public availability**	**<dates-of-public-availability>**	This element contains all the dates related to public availability.	Availability of the unexamined application Printed-as-amended
44.	**Availability of the unexamined application**	**<unexamined-not-printed-without-grant>**	This element contains the date on which an unexamined patent document without a grant was made available to the public (by printing or similar process).	Document-id

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
45.	**Information of the unexamined application**	**<document-id>**	This element contains information on the unexamined patent document without a grant which was made available to the public.	Country of the unexamined application Document number of the unexamined application Availability date of the unexamined application
46.	**Country of the unexamined application**	**<country>***CA***</country>**	This element contains the country of the unexamined patent document without a grant which was made available to the public.	N/A
47.	**Document number of the unexamined application**	**<doc-number>***2490016***</doc-number>**	This element contains the document number of the unexamined patent document without a grant which was made available to the public.	N/A
48.	**Availability date of the unexamined application**	**<date>***20040108***</date>**	This element contains the laid open/open to public inspection date (New Act only; #2,000,000 +). NOTE: The document date for Old Act patents is the Grant date All dates are in the YYYYMMDD format. See also element <pct-or-regional-publishing-data>	N/A
49.	**Section 8 correction**	**<printed-as-amended>**	This element contains the information on the availability of an application/registration which was corrected under Section 8 of the *Patent Act*.	Document-id
50.	**Section 8 Document ID**	**<document-id>**	This element contains information on the corrected patent document which was made available to the public.	Section 8 Country Section 8 Doc-number Section 8 Request Date
51.	**Section 8 Country**	**<country>***CA***</country>**	This element contains the country of the corrected patent document which was made available to the public.	N/A
52.	**Document Number**	**<doc-number>***2490016***</doc-number>**	This element contains the document number of the corrected patent document which was made available to the public.	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
53.	**Section 8 request date**	**<date>***20040108***</date>**	Section 8 correction date. All dates are in the YYYYMMDD format.	N/A
54.	**Rights effective date**	**<dates-rights-effective>**	This element contains the date from which industrial property rights may have effect.	Examination request
55.	**Examination request**	**<request-for-examination>**	This element contains the date on which the examination of the application was requested.	Examination request date
56.	**Examination request date**	**<date>***20041217***</date>**	Indicates the date the examination of the application was requested (New Act Only, 2,000,001+). This is blank if the patent application number is less than 2000000.	N/A
57.	**Related documents**	**<related-documents>**	This element contains references to other legally or procedurally related domestic patent documents.	Division information
58.	**Division information**	**<division>**	This element contains information on an earlier application from which the present document has been divided out (i.e.: Number and, if possible, filing date of the earlier application)	Related documents information
59.	**Related documents information**	**<relation>**	This element contains the information on the parent and/or child document(s) related to this application.	Parent document Child document
60.	**Parent document**	**<parent-doc>**	This element contains information on the parent document of this application/registration.	Parent document information
61.	**Parent document information**	**<document-id>**	This element contains information on the parent document of this application/registration.	Parent document country code Parent document application number Divisional date
62.	**Parent document country code**	**<country>***CA***</country>**	This element contains the WIPO ST.3 country code of the parent document.	N/A
63.	**Parent document application number**	**<doc-number>***2490016***</doc-number>**	This element contains document number with the sequence number of the divisional. A patent document with no divisional has the sequence number # 0.	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
64.	**Divisional date**	**<date>***20040108***</date>**	This element contains the divisional date. All dates are in the YYYYMMDD format.	N/A
65.	**Child document**	**<child-doc>**	This element contains the information on the child document of this application/registration.	Child document information
66.	**Child document information**	**<document-id>**	This element contains the information on the child document of this application/registration.	Child document country code
67.	**Child document country code**	**<country>***CA***</country>**	This element contains the WIPO ST.3 country code of the child document.	N/A
68.	**Date PCT article fulfilled**	**<date-pct-article-22-39-fulfilled>**	This element contains the date of commencement of the national phase pursuant to PCT Article 23(1) or 40(1) (INID 85, ST.32:B850) This element contains the date on which the Article 22 or 39 of the PCT was fulfilled.	PCT article fulfilled date
69.	**PCT article fulfilled date**	**<date>***20041217***</date>**	This element contains the value of the date on which the Article 22 or 39 of the PCT was fulfilled.	N/A
70.	**PCT or regional filing data**	**<pct-or-regional-filing-data>**	This element contains the PCT or regional filing information.	Filing information PCT section 371 date
71.	**PCT or regional filing information**	**<document-id>**	This element contains the PCT or regional filing information.	Filing country code Application number Filing date
72.	**PCT or regional filing country code**	**<country>***EP***</country>**	This element contains the country code (WIPO ST.3) of the country in which the application was filed.	N/A
73.	**PCT or regional application number**	**<doc-number>***PCT/EP2003/006752***</doc-number>**	This element contains the number assigned by the World Intellectual Property Organization (WIPO) to a patent application at the time it is filed in the PCT system.	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
74.	**PCT filing date**	**<date>***20090612***</date>**	This element contains the date assigned by the World Intellectual Property Organization (WIPO) to a patent application at the time it is filed in the PCT system. All dates are in the YYYYMMDD format.	N/A
75.	**PCT section 371 date**	**<us-371c124-date>**	This element contains the PCT section 371 Date. This identifies an application submitted as a national phase entry filed under 35 USC 371.	Value of the PCT section 371 date
76.	**Value of the PCT section 371 date**	**<date>***20030626***</date>**	This element contains the PCT section 371 Date. All dates are in the YYYYMMDD format.	N/A
77.	**PCT or regional publication information**	**<pct-or-regional-publishing-data>**	This element contains PCT or regional publication information. Ex: international publication date, international publication number, and, optionally, the language in which the international application is published.	Publication information
78.	**PCT or regional publishing information**	**<document-id>**	This element contains the country, patent number, and date of the PCT or regional publication.	PCT or regional publishing country PCT or regional publishing number PCT or regional publishing date
79.	**PCT or regional publishing country**	**<country>***WO***</country>**	This element contains the country code (WIPO ST.3) of the country of publication.	N/A
80.	**PCT or regional publishing number**	**<doc-number>***WO2004/003235***</doc-number>**	This element contains the number assigned by the World Intellectual Property Organization (WIPO) to an application filed through the PCT when the application becomes open to public inspection.	N/A
81.	**PCT or regional publishing date**	**<date>***20040108***</date>**	This element contains the date assigned by the World Intellectual Property Organization (WIPO) to an application filed through the PCT when the application becomes open to public inspection. All dates are in the YYYYMMDD format. NOTE: For Old Act patents, this contains the Grant date.	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
82.	**Office specific bibliographic data**	**<ca-office-specific-bib-data office="*CA*">**	This element contains bibliographic data specific to the Office (Canada).	Historic of administrative status changes Date of the last update License for sale indicator Current or previous owners Interested parties Grant date
83.	**Administrative status history**	**<ca-administrative-status-history>**	This element contains the historic of all administrative status changes.	Administrative status change
84.	**Administrative status change**	**<ca-administrative-status-change>**	This element contains the date of the administrative status change and the code of the administrative status.	Administrative status code Date of administrative status change
85.	**Administrative status code**	**<ca-administrative-status-cd>*MKEX*</ca-administrative-status-cd>**	This element contains the code of the administrative status. Refer to Appendix B for a list of administrative status codes.	N/A
86.	**Date of administrative status change**	**<date>*20170627*</date>**	This element contains the date of the change in administrative status. Refer to Appendix C for the date on which the administrative status code became available.	N/A
87.	**Date of the last update**	**<ca-date-updated>**	This element contains the last update date of the application/registration.	Date of the last update
88.	**Date of the last update**	**<date>*20060326*</date>**	This element contains the last update date of the application/registration.	N/A
89.	**License for sale indicator**	**<ca-license-for-sale>*false*</ca-license-for-sale>**	This element indicates if the owner is willing to sell or license the rights to the patent. The value can be true or false.	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
90.	**Current or previous owners**	**<ca-assignees>**	This element contains the information on all current or previous owners.	Current or previous owner
91.	**Current or previous owner**	**<ca-assignee>**	This element contains the information on a current or previous owner.	Owner information Owner enabling date Owner disabling date Owner grantee indicator
92.	**Owner information**	**<addressbook>**	This element contains the name and address of a current or previous owner.	Owner name Owner address
93.	**Owner name**	**<name>***PULEVA BIOTECH, S.A.***</name>**	This element contains the original or preserved name of the owner. Patent # 2,000,001 to date; and 1,262,017 to 1,339,049 includes Applicants.	N/A
94.	**Owner address**	**<address>**	This element contains the information on the address of the owner.	Owner address details Owner city Owner province code Owner postal code Owner country code
95.	**Owner address details**	**<address-1>***Camino de Purchil, 66***</address-1>** **<address-2>***E-18004***</address-2>** **<address-3/>** **<address-4/>** **<address-5> </address-5>**	This element contains the mailing address of the owner.	N/A
96.	**Owner city**	**<city>***GRANADA***</city>**	This element contains the city of owner, if available.	N/A
97.	**Owner province code**	**<state/>**	This element contains the province code of the owner according to WIPO ST.3, if available.	N/A
98.	**Owner postal code**	**<postcode/>**	This element contains the postal code of the owner, if available.	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
99.	**Owner country code**	**<country>***ES***</country>**	This element contains the 2-lettter country code associated to the country name of the owner according to WIPO ST.3.	N/A
100.	**Owner enabling date**	**<ca-date-assignee-enable>**	This element contains the date on which the owner received all or part of the ownership (enabling date).	Ownership start date
101.	**Ownership start date**	**<date>**	This element contains the date ownership began.	N/A
102.	**Owner disabling date**	**<ca-date-assignee-disable>**	This element contains the date on which the owner stopped having ownership (disabling date), if applicable.	Ownership end date
103.	**Ownership end date**	**<date>**	This element contains the date ownership ended.	N/A
104.	**Owner grantee indicator**	**<ca-grantee>***Y***<ca-grantee>**	This element contains the grantee indicator of the owner. This indicates if the owner is the grantee of the patent Y = yes, N = no	N/A
105.	**Interested parties**	**<ca-parties>**	This element contains information on the interested parties (applicants, inventors, and patent agents).	Applicants Inventors Patent Agents
106.	**Applicants**	**<applicants>**	This element contains the information on the applicant(s) or owner.	Applicant
107.	**Applicant**	**<applicant sequence="***1***" designation="***all***" app-type="***applicant***">**	This element contains the information on each applicant or owner.	Applicant information Applicant nationality Applicant residence
108.	**Applicant information**	**<addressbook>**	This element contains the name and address of the applicant or owner.	Applicant name Applicant address
109.	**Applicant name**	**<name>***PULEVA BIOTECH, S.A.***</name>**	This element contains the name of applicant or owner. Data available from patent # 2,000,001 to date; and 1,262,017 to 1,339,049.	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
110.	**Applicant address**	**<address>**	This element contains the information on the address of the applicant or owner.	Applicant address details Applicant city Applicant province code Applicant postal code Applicant country code
111.	**Applicant address details**	**<address-1>***Camino de Purchil, 66***</address-1>** **<address-2>***E-18004***</address-2>** **<address-3/>** **<address-4/>** **<address-5> </address-5>**	This element contains the mailing address of the applicant or owner.	N/A
112.	**Applicant city**	**<city>***GRANADA***</city>**	This element contains the city of applicant or owner, if available.	N/A
113.	**Applicant province code**	**<state/>**	This element contains the province code of the applicant or owner according to WIPO ST.3, if available.	N/A
114.	**Applicant postal code**	**<postcode/>**	This element contains the postal code of the applicant or owner, if available.	N/A
115.	**Applicant country code**	**<country>***ES***</country>**	This element contains the 2-lettter country code associated to the country name of the applicant or owner according to WIPO ST.3.	N/A
116.	**Applicant nationality**	**<nationality>**	This element contains the information on the applicant's or owner`s nationality.	Applicant nationality country code
117.	**Applicant nationality country code**	**<country>***CA***</country>**	This element contains the country code of the applicant's or owner's nationality.	N/A
118.	**Applicant residence**	**<residence>**	This element contains the information on the applicant's or owner's residence.	Applicant residence country code

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
119.	**Applicant residence country code**	**<country>***CA***</country>**	This element contains the country code of the applicant's or owner's residence.	N/A
120.	**Inventors**	**<inventors>**	This element contains the information on the inventors.	Inventor
121.	**Inventor**	**<inventor sequence="***1***">**	This element contains the information on each inventor. **"sequence"** indicates the sequence number for the inventors (ex: 1,2, etc. repeats for each inventor)	Inventor information
122.	**Inventor information**	**<addressbook>**	This element contains the name and address of the inventor.	Inventor name Inventor address
123.	**Inventor name**	**<name>***XAUS PEY, JORDI.***</name>**	This element contains the name of the inventor. The address details will be present if the inventor is Canadian, or if the inventor is also an applicant at filing. If the inventor is not Canadian, the address details will only contain the country.	N/A
124.	**Inventor address**	**<address>**	This element contains the address information of the inventor, if available.	Inventor address Inventor city Inventor province code Inventor postal code Inventor country code
125.	**Inventor address**	**<address-1/>** **<address-2/ >** **<address-3/>** **<address-4/>** **<address-5> </address-5>**	This element contains the mailing address details of the inventor, if available.	N/A
126.	**Inventor city**	**<city>***NA***</city>**	This element contains the city of the inventor, if available.	N/A
127.	**Inventor province code**	**<state/>**	This element contains the state of the inventor, if available.	N/A
128.	**Inventor postal code**	**<postcode/>**	This element contains the postal code of the inventor, if available.	N/A

No.	Data	XML ST.36 element	CIPO's description of element	Sub-element(s)
129.	**Inventor country code**	**<country>***ES***</country>**	This element contains the 2-lettter country code associated to the country name of the inventor according to WIPO ST.3.	N/A
130.	**Patent agents**	**<agents>**	This element contains the information on patent agents.	Patent agent
131.	**Patent agent**	**<agent sequence="***0***" rep-type="***agent***">**	This element contains the information on each patent agent. **"sequence"** indicates the sequence number for the patent agents (ex: 1,2, etc. repeats for each agent)	Patent agent information
132.	**Patent agent information**	**<addressbook>**	This element contains the address the name and address of the current registered patent agent of record representing the owner.	Patent agent name Patent agent address
133.	**Patent agent name**	**<name>***SIM & MCBURNEY* **</name>**	This element contains the name of the current registered patent agent of record representing the owner.	N/A
134.	**Patent agent address**	**<address>**	This element contains the address of the current registered patent agent of record representing the owner if it is available.	Patent agent country code
135.	**Patent agent country code**	**<country>***CA***</country>**	This element contains the country code of the current registered patent agent of record representing the owner as per WIPO ST.3.	N/A
136.	**Grant date**	**<ca-date-issue-grant>**	This element contains the date on which the patent application was granted.	Grant date value
137.	**Grant date value**	**<date>***20170822***</date>**	This element contains the value of the grant date.	N/A

Appendix A: Canadian Province and Territory Codes

Province and Territory Codes	Definition
A1	Alberta
B1	British Columbia
M1	Manitoba
N1	Newfoundland and Labrador
N2	Nova Scotia
N3	New Brunswick
N4	North West Territories
N5	Nunavut
O1	Ontario
P1	Prince Edward Island
Q1	Quebec
S1	Saskatchewan
Y1	Yukon

Appendix B: Patent Administrative Status Codes

Administrative status definitions are also available online within the patent database help files.

Code	Title Definition	Description
AAFI	(22) Filed, (86) PCT Filing Date	The date where the patent application met the legal requirements for a filing date under the Canadian Patent Act. If it is a PCT originating application, then it is the same date as the PCT filing date.[1] For divisional patents, where the application was filed before October 1, 1989, the date recorded as the filing date may be the date the divisional application was received, rather than the legal filing date of the parent application. Similarly for reissue patents, where the application was filed before October 1, 1989, the date recorded as the filing date may be the date the request for reissue was received, rather than the legal filing date of the surrendered patent.
AFNE	(85) National Entry Date	The date that a PCT originating application entered the Canadian national phase.[2]
BBLO	(41) Open to Public Inspection (OPI) (87) PCT Publication Date	Patent applications filed since October 1, 1989, are open to public inspection at the expiry of the confidentiality period referred to in subsection 10(2) of the Act. Applications filed on or after October 1, 1989, are made available to the public 18 months after the earliest priority date, or, if there is no priority, 18 months after the filing date, unless the applicant has requested an earlier date of opening to public inspection. If the application is PCT-originating, then the open to public inspection date will normally be the same as the PCT publication date.[3]
EEER	Examination Requested Date	The date on which a request that was made to have an application examined was received by the Office. This applies only to applications filed on or after October 1, 1989. For applications filed on or after October 1, 1996, the request must be made within 5 years from the filing date of the application. For applications filed between October 1, 1989 and September 30, 1996, the request must be made within 7 years from the filing date of the application.
AZWI	Withdrawn Application Date	The date that an application was withdrawn at the request of the applicant.
AZWC	Correction of Withdrawn Date	The date that the withdrawn status was reversed or amended in order to correct an office error.

1 The International Filing Date is accorded to an international application meeting the requirements of Article 11 of the Patent Cooperation Treaty.
2 The date where the applicant has complied with the requirements under s. 58 within the prescribed time for an international application in which Canada is designated and elected.
3 In reference to s. 66 of the current Rules. The OPI date under PCT is also the OPI date in Canada if in English or French.

FZDE	Dead Application Date	The date from which an application is beyond the point of reinstatement.
FZDC	Correction of Dead Application	The date that the dead status was reversed or amended.
FGGR	(45) Issued Date	The date when the applicant is granted a patent.
NARC	Re-examination Certificate Date	The date that a re-examination certificate has been issued for a patent.
NARE	Reissue Date	The date that a patent was reissued after the original patent was surrendered by the patentee. For patents that were filed on or after October 1, 1989, the patent number remains the same as the original patent. For patents that were filed before October 1, 1989, the patent reissues with a new number. In both cases the term of the patent remains the same as the original patent. A reissue is a mechanism provided for in section 47 of the Act for correcting a defective or inoperative patent, where any error arose from inadvertence and without deceptive intent. Once statutory conditions are met and further examination is undergone, the Commissioner may cause a new patent to be granted. On the rare occasion that a patent document may have multiple reissue dates. This site displays only the most recent reissue date. In order to determine if the patent has been reissued more than once, the cover page Image of the patent must be accessed.
MZSU	Surrendered Date	The date that the rights of the original patent were surrendered and are no longer is in force.
MZSC	Correction of Surrendered Date	The date that the surrendered status was amended or reversed in order to correct an error.
MKLA	Lapsed Date	The date on which the patent term expires, pursuant to subsection 46(2) of the Patent Act, for failure to pay maintenance fees (for patents issued after October 1, 1989).
MKLC	Correction of Lapsed Date	The date that the lapsed status was amended or reversed in order to correct an error.
MKEX	Expired Date	The date on which the patent term expires, pursuant to section 44 or 45 of the Patent Act where all maintenance fees required by section 46 of the Patent Act were paid.
MKEC	Correction of Expired Date	The date that the expired status was amended or reversed in order to correct a situation where records erroneously indicated that the patent was expired.