

Part 8.1.1
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GLOSSARY OF TERMS CONCERNING INDUSTRIAL PROPERTY INFORMATION AND DOCUMENTATION

INTRODUCTORY NOTE

1. The following alphabetical list of basic terms used in industrial property information and documentation—the glossary—has been compiled by the International Bureau of WIPO in order to assist those who are not yet familiar with the terminology in this area.
2. The glossary is not intended to be an exhaustive, detailed compilation of all terms used in industrial property information and documentation. It contains only terms which are used frequently in documents and publications on matters of industrial property information and documentation or which are of major importance for readers of such texts. As far as the International Patent Classification (IPC) and the Patent Cooperation Treaty (PCT) are concerned, the glossary includes only several basic terms originating therefrom. For more details, the corresponding publications should be consulted (see definitions of the International Patent Classification and the Patent Cooperation Treaty).
3. Many of the concepts for which a general explanation has been attempted in this glossary are defined in the legislation of individual countries, and the laws of various countries may to an extent differ in their definitions. The descriptions given in this glossary should, therefore, not be considered as exact definitions, in the legal sense, of the subjects concerned, but as general indications of their main characteristics. The definitions are given without prejudice to how individual countries may interpret these terms. Legal terms without direct relation to industrial property information and documentation have not been included in the glossary.
4. The list of terms is followed by four appendices, containing additional information on abbreviations and acronyms often used, a survey of denominations used by industrial property offices for the various kinds of patent documents published by them and examples of patent documents illustrating different types of patent families.
5. For more detailed information on matters concerning industrial property information and documentation, it is recommended to consult the WIPO *Handbook on Industrial Property Information and Documentation*.

INDEX OF GLOSSARY TERMS

Abridgement	Industrial Property Information
Abstract	Industrial Property Office
Abstract Journal	INID Codes
Abstracting Service	Int. Cl.
Access to Industrial Property Information	Interactive Computerized Searching
Additions to Industrial Property Rights	International Bureau
Address for Service	International Classification for Industrial Designs
Annual fee or Annuity	International Classification of Goods and Services for the Purposes of the Registration of Marks
Aperture Card	International Classification of the Figurative Elements of Marks
Applicant	International Deposit of Industrial Designs
Application (for an Industrial Property Right)	International Patent Application
Availability to the Public	International Patent Classification
BACON	International Preliminary Examining Authority
Batch Computerized Searching	International Registration of Marks
Bibliographic Data	International Search Report
Bulletin	International Searching Authority
CAPRI System	Inventor
CD-ROM	Inventor's Certificate
Citation	IPC
Claim(s)	JOPAL
Classification	JPEG (Joint Photographic Experts Group)
Classified Collection (of Patent Documents)	Kind of Patent Document
CMYK	Laying Open for Public Inspection
Codes	Letters Patent
Collection (of Patent Documents)	List of Goods and/or Services
Color claims	Local Environment Searching
Color management	Locarno Classification
Color model and Color space	Lossless data compression
Color space	Lossy data compression
COM (Computer Output on Microfilm)	LZW compression
COM-Fiche	Madrid Agreement
Computer Databases	Maintenance Fee
Computerized Retrieval of Information	Mark
Continuation	Microfiche
Continuation-in-part	Microfilm
Country Code	Microform
Databases	Minimum Documentation
Deferred Examination	Mixed-mode CD-ROM
Deposit of an Industrial Design	Nice Classification
Description of the Invention	Non-patent Literature
Design Application	Numerical Collection (of Patent Documents)
Design Patent	Official Gazette
Disclaimer	On-line
Disclosure	Opposition
Divisional Application	Optical Storage
Examination	Pantone color system
Family	Paris Convention
File	Patent
Gazette	Patent Announcements Journal
GIF (Graphics Interchange Format)	Patent Application
Grant	Patent Associated Literature
Hague Agreement	Patent Cooperation Treaty (PCT)
Handbook on Industrial Property Information and Documentation	Patent Document
Hybrid Systems	Patent Family
ICC profile	(1) SIMPLE PATENT FAMILY
ICIREPAT	(2) COMPLEX PATENT FAMILY
Indexes of Patent Documents	(3) EXTENDED PATENT FAMILY
Indexing Codes	(4) NATIONAL PATENT FAMILY
Industrial Design	(5) DOMESTIC PATENT FAMILY
Industrial Design Application	(6) ARTIFICIAL PATENT FAMILY
Industrial Design Gazette	Patent Gazette
Industrial Design Register	

Patent Information, Types of	RGB
Patent of Addition	SDI Service (Selective Dissemination of Information)
Patent Office	Search
Patent Register	Search File
Patent Specification	Search Report
Patentee	Secondary Sources of Patent Information
PCT	Service Mark
PCT Minimum Documentation	Specification
Petty Patent	sRGB
Plant Patent	Standards (WIPO)
PNG (Portable Network Graphics)	State of the Art (Prior Art)
Primary Sources of Patent Information	Supplementary Protection Certificate
Prior Art	TIFF (Tagged Image File Format)
Priority Application	Title of the Invention
Priority Data	Trademark
Priority Document	Trademark Application
Publication	Trademark Gazette
Regional Patent	Trademark Office
Regional Patent (or Industrial Property) Office	Trademark Register
Register (of Industrial Property Rights)	Unity of Invention
Registration of the Industrial Design	Utility Certificate
Registration of the Mark	Utility Model
Reissue Patent	Vienna Classification
Remote On-line Searching	WIPO (World Intellectual Property Organization)
Renewal	WORM (Write Once Read Many)
Renewal Fee	

DEFINITIONS

Abridgement

Synonym for abstract, formerly used in particular in the United Kingdom. The description of the invention used to be more detailed and explicit in abridgements than in abstracts. Abridgements are still being published in a few countries (e.g., Australia).

Abstract

A concise summary of the technical disclosure of a patent document enabling a reader to quickly ascertain the subject matter covered. An abstract serves merely for the purposes of technical information and cannot be taken into account for any other purpose, e.g., for interpreting the scope of protection claimed in the patent document itself. The text of an abstract usually contains no more than 150 words and may be accompanied by a representative drawing or chemical formula. The abstract is usually filed by the applicant and published on the front page of the patent document. It may also be published separately, e.g., in the [official gazette](#) or an [abstract journal](#). In several countries patent abstracts are separately published as special documents containing bibliographic data, the text of the abstract and drawings or chemical formulae. Patent abstracts are also prepared and distributed by special abstracting services (commercial firms specialized in technological information services). See also "[Claim\(s\)](#)".

Abstract Journal

A journal devoted to the publication of [abstracts](#). An abstract journal often includes indexes of applicants' or inventors' names. The abstract journals may be divided according to subject matter. [Cumulative indexes](#), e.g. annual indexes, are frequently also published.

Abstracting Service

An organization specializing in the preparation and publication of [abstracts](#). These abstracts may be different from those published with the patent documents; their publication may take various forms, e.g., on paper, microfilm. Most abstracting services offer a current awareness service whereby subscribers receive copies of abstracts, according to defined technical fields. Abstracting services offer most of their abstracts for on-line retrieval.

Access to Industrial Property Information

A term used to cover all methods whereby specific [industrial property information](#) may be identified and thus retrieved. Identification may be on the basis of technical fields in which case classification symbols (of the national classification or of international classifications, e.g. the [International Patent Classification](#)) or keywords (e.g., from a thesaurus) are used. Alternatively, identification may be based on the name of an applicant or inventor, on the dates (e.g., application or publication date), or on the country of publication (WIPO Standard [ST.3](#)). For this purpose, one may use manual [indexes](#) or [computerized searching tools](#).

Additions to Industrial Property Rights

See "[Patent of Addition](#)".

Address for Service

An address given by the applicant (or the agent acting on his behalf) to which all correspondence or other notification is to be sent in connection with the industrial property rights or [applications](#) therefor.

Annual fee or Annuity

See "[Maintenance Fee](#)".

Aperture Card

An 80 column punched-card with up to 8 microfilmed pages of a patent document inserted in an aperture provided in the card itself. Reduction ratio of the microimages is 21:1. If the patent document has more than eight images, then trailer cards are used. Cards carry punched holes to enable a sorting machine to recognize some (or all) of the following information: (a) [kind of patent document](#), (b) country of publication, (c) publication number, (d) publication date, (e) one [IPC](#) symbol. These data are usually also printed on the card itself. The advantage of an aperture card is its ability to be sorted automatically, as well as the small storage space required compared with paper storage and the fact that unit records are obtained thus enabling the build up of a classified collection in a simple manner. See also WIPO Standard [ST.7/A](#) and "[CD-ROM](#)".

Applicant

The applicant is the entity or person which or who presents ("files") an [application](#) for the grant of an industrial property right (e.g., a patent application, or an application for the registration of a trademark) in an [industrial property office](#), or in whose name an agent (representative) files such an application.

Application (for an Industrial Property Right)

General term denoting a request filed by the [applicant](#), or by an agent (representative) on his (its) behalf, for the grant of an industrial property right (e.g., patent), or for the registration of such a right (trademark, industrial design, etc.). See also "[Patent Application](#)", "[Trademark Application](#)" and "[Industrial Design Application](#)".

Availability to the Public

See "[Publication](#)".

BACON

The project of the European Patent Office, which is underway to scan the full text and drawings of the first publication of patent documents by the major industrial property offices, back to 1920 or earlier, as image data (in facsimile form) on magnetic tape so as to permit the subsequent creation of an image retrieval system (BACON standing for Backfile Conversion).

Batch Computerized Searching

The search technique where a sequence of search entries is accumulated and later processed by a computer system in such a manner that the user cannot influence the processing while in progress. Sometimes called "off-line searching".

Bibliographic Data

The term "bibliographic data" denotes the various data normally appearing on the first page of a patent or industrial design document or in a comprehensive entry in an [official gazette](#) concerning granted patents, industrial design or trademark registrations or the corresponding applications. Such data comprise document identification data, data on the domestic filing of the application, priority data, publication data, classification data and other concise data relating to the technical content of the document or of the entry in the official gazette. For details, see WIPO Standard [ST.9](#) for patent documents, WIPO Standard [ST.60](#) for trademarks and WIPO Standard [ST.80](#) for industrial designs.

Bulletin

See "[Official Gazette](#)."

CAPRI System

CAPRI is an acronym for “Computerized Administration of Patent Documents Reclassified According to the IPC”. It relates to the reclassification, according to the IPC, of the patent documents published between 1920 and 1972 and included in the PCT minimum documentation. The system provides for the international exchange of inventories of those patent documents published between 1920 and 1972 and which have already been reclassified. These inventories are stored and processed by the European Patent Office Vienna Sub-office, which prepared an “inverted file,” giving, for each document stored in numerical order, the appropriate IPC symbol or symbols.

CD-ROM

A type of non-erasable optical disc (Compact Disc – Read Only Memory), a frequently used means of optical storage. The data on the disc can only be read, not erased or altered. The main features of the CD-ROM medium are: large and compact storage capacity, easy mass production, economics of storage, distribution and transmission, and high reliability. Consequently, at present, CD-ROMs have received a wide use as a means of electronic publishing, storage, distribution and exchange of documents.

(See “[Mixed-mode CD-ROM.](#)”)

Citation

A “citation” in a [patent document](#), [search report](#), or in another document is a reference to another document, which may affect the patentability of a (claimed) invention.

If the citation refers to a patent document, it is recommended that it should consist of the [code](#) of the industrial property office or organization publishing the document, the publication number, the [kind-of-document code](#), and the date of publication of that document. Relevant parts of the patent document such as page number, column number, paragraph number, line number, claim number, and figure number should be included to show the precise location of the cited material in the document.

If the citation refers to an article or a book, it should consist of the author (if available), the title of the periodical or book, the title of the article, the volume and page number and, usually, the publication date.

If the citation refers to a document published in electronic form or on the Internet, it should consist of, in addition to the elements above, the media type e.g. [online], the URL and date of retrieval from the Internet or database (where applicable), or any unique reference numbers sufficient to retrieve and identify the electronic document at a later date.

A citation may also make reference to an oral disclosure, use, exhibition, or other means of disclosure. (See also WIPO Standards [ST.1](#) and [ST.14.](#))

Claim(s)

The part of a [patent document](#) which defines the matter for which protection is sought or granted. In some countries, the claims are published separately and may be used for information purposes instead of [abstracts](#).

Classification

(1) In patent information and documentation matters “classification” means a specific system which subdivides technology into distinct units. A classification symbol is defined for each of those units. The classification symbol designating the unit into which the invention falls is usually printed on the first page of the corresponding patent document.

To “classify” a patent document means to determine that subdivision of a classification system to which, because of its technical nature, the invention claimed in the said document belongs and to allot a classification symbol to it. Sometimes, the classification relates not only to the claimed invention but also to other disclosures contained in the patent document.

For the purposes of systematizing collections of patent documents, many countries have developed various patent classification systems. The symbols of the said national classification systems are nearly always printed on the patent documents in order to permit the documents to be later retrieved. In order to avoid using different classification systems, the [International Patent Classification](#) (IPC) was established in 1968.

Note: Another meaning of the English term “classify” is to declare a patent application to be confidential or secret because it contains confidential, secret or “classified” information (usually for reasons of national security). In this context, “to classify” means to stamp, on the first page of the application, such words as “secret”, “top secret” or, simply, “classified”.

(2) For the purposes of registering trademarks, goods and services are subject to a [special classification](#). Under most national laws, a trademark is registered for specified goods or services for which the corresponding class or classes must be indicated. Elements of the graphical representation of a trademark (figurative elements) can also be subject of a [classification](#).

(3) Industrial designs are classified in a way similar to trademarks: the subjects of the [classification](#) are the different kinds of goods in which the industrial designs are intended to be incorporated.

See also definitions relating to different international classifications.

Classified Collection (of Patent Documents)

A patent document collection physically arranged primarily according to the symbols of a patent classification (e.g., the [International Patent Classification](#)) allotted to the individual patent documents, thus allowing immediate access, for search purposes, to all those documents belonging to the technical field defined by a given classification unit. A classified collection is, therefore, sometimes also called a search file.

Note: For classified collections, special measures have to be taken for documents to which several classification symbols have been allotted. Since multiple filing of documents is space-consuming and costly, some offices often only file full texts of documents according to the first classification symbol allotted to them, and appropriate cross-references (e.g., by inserting copies of only the first page of the respective document) are made under the classification symbols further allotted.

CMYK

An abbreviation for cyan, magenta, yellow, and key (Black) is a color model used in color printing, and also used to describe the printing process itself. This [color model](#) is also often referred to as process color or four color model.

Codes

In industrial property documents, in entries in official gazettes and in records of industrial property information databases, as well as in non-patent literature, some elements of industrial property information are often identified by the use of codes. Using codes is a convenient method of presenting an element of information in a shortened, uniform and easily understandable way. Codes relating to [industrial property information](#) are defined in several WIPO recommended Standards, published in the WIPO *Handbook on Industrial Property Information and Documentation*. The following codes have been so far recommended by WIPO Standards:

- Code for headings of announcements in [official gazettes](#) ([ST.17](#)),
- Code for identification of different [kinds of patent documents](#) ([ST.16](#)),
- Code for representation of countries and other entities and international organizations issuing or registering industrial property titles (sometimes referred to as “country code”) ([ST.3](#)),
- [INID Code](#) (for bibliographic data of patent documents – [ST.9](#); for bibliographic data of trademarks – [ST.60](#); for bibliographic data of industrial designs – [ST.80](#)).

Collection (of Patent Documents)

Collections are frequently arranged according to the following characteristics: country or organization which published the documents, publication period covered, kinds of documents (e.g., published unexamined patent applications, granted patents, etc.), physical carrier (e.g., paper, microfiche, micro roll film, etc.) and ordering principle (numerical, classified). Normally, patent document collections are polytechnical, i.e., they contain documents referring to all fields of technology in which industrial property protection is available in the country or region publishing the respective documents. If a collection is not a polytechnical one, its subject matter coverage should be clearly defined.

See also “[Classified Collection](#)” and “[Numerical Collection](#)”.

Color claims

National and international legislation allows states to mandate verbal descriptions (including the usage of color codes) and/or color images for the applications of trade marks. Verbal description and image should correspond.

It may happen in practice that in different process steps, e.g., during filing, processing, granting, in the file or in the publication the images of the same mark are slightly different, e.g., bad print, image only in grey scale filed or published.

In such cases no general claims about the relation between the verbal description and the colors of the image are possible; the relation depends on the individual case and from the judicial body and the national legal environment. The questions how to determine the claimed color or the allowed or accepted deviation tolerance between description and image depends on these same factors. In the case of a pure color mark the requirements will usually be higher than in an ordinary mark with a color claim.

Color management

In digital imaging systems, color management is the controlled conversion between the color representations of various devices and corresponding media.

The core problem when digitally processing color images is that colored images - without special measures - are differently captured by each input device (scanner or digital camera) and differently displayed on every output device (screen, printer). They are also differently perceived depending on the light, background, context and the media they are presented on.

Color management means that input devices and output devices are matched to each other. The goal is that the side-by-side comparison of the paper original of an image, its display after the scanning procedure on a monitor, and the printout of the scanned image should reveal little or no difference.

This issue has an important impact on the trademark domain. Certain issues when working with color should be brought to the awareness of offices and applicants, namely:

- Color representation can differ from device to device. Some devices can represent colors which others can not.
- Certain widely used [color models](#) do not define colors in absolute terms (i.e. [RGB](#)). Therefore, the appearance of the image's colors will differ, depending on the display unit and method (print, monitor, etc.)
- Color management can help, but it is not a solution of all problems.
- Color management will not define or reflect in more detail the legal protection range of colors in a mark.

Note:

Currently and in the near future no "global" CMS (Color Management System) will be available for electronic color images in the field of intellectual property (IP). The following recommendations are intended as an intermediate step for the meantime:

- (a) IPOs as well as applicants/holders, representatives and the public should be aware of the problems described above regarding color representation. Use of [ICC profiles](#) and a calibrated environment can help to obtain comparable representations on different devices. For certain problems like extreme colors, however, there is no full and acceptable solution.
- (b) IPOs should emphasize the use of color claims as critical in clarifying color parts of marks, especially as some publications of marks may be printed in grey scale. The necessity or importance of an accompanying color publication of an image still depends heavily on the kind of the color claims. When a color claim merely lists the colors in a mark without more detail about the location of the particular colors and to which elements of the mark each color applies, a publication in color with the color claim is preferred. A more complex color claim, which includes such greater detail, may obviate or lessen the need for an accompanying publication in color.
- (c) A possible scenario would be that offices transform images to an absolute [color space](#), i.e., [sRGB](#) and include an ICC profile. If problems occur during the transformation, the office should inform the applicant, showing the applicant the transformation result. The applicant can then decide whether the representation is sufficient. Information regarding possible problems during transformation should be posted on an office's website.

(d) IPOs should be allowed to require that documents/images they received in electronic form are based on normalized [sRGB](#) with an included [ICC profile](#).

Color model and Color space

A color model is an abstract model describing how colors are described as tuples of numbers. [RGB](#) and [CMYK](#) are examples of color models. Both describe colors in amounts of primary colors. Color models don't necessarily define color in terms of other colors. The HSV-model, for instance, defines color as hue (the color type, like red), saturation (the color intensity), and value (brightness).

The associated color space is the set of colors which can be represented by a color model. Note that often the terms color model and color space are used interchangeably.

Color space

See [Color model and Color space](#)

COM (Computer Output on Microfilm)

A technology allowing the recording of computer output data directly on a microfilm carrier instead of making a paper printout, thus accelerating data output and reducing paper consumption.

COM-Fiche

A sheet of photographic film (microfiche) that carries reduced multiple images produced directly from computer stored information. The sheet usually measures 148 mm. x 105 mm. and may, e.g., contain 208 frames of information at a reduction ratio of 48:1. See also "[Microfiche](#)" and, for details on COM-fiche, the WIPO Standard [ST.7/F](#).

Computer Databases

Many databases exist which are either devoted entirely to patent information, or contain a high percentage of information derived from patent documents, in addition to information taken from scientific and technical periodicals. There exist also databases specialized in trademark information. The majority of them are accessible on-line.

Some of the patent databases principally contain [bibliographic data](#) of patent documents and thus allow the search of names or [patent families](#). Sometimes also the words in the titles and/or the abstracts can be searched.

Other patent databases allow full text searches of the complete text of the patent documents, or of the abstracts. Certain databases have deep indexing systems which allow a very exact definition of the subjects to be searched. Some databases are subject oriented, covering all literature in a given technical field.

Computerized Retrieval of Information

The term used to describe the use of a [computer database](#) to retrieve information therefrom. The computer can be used in an interactive mode from a remote location via a teletype or visual display unit (VDU) terminal, or it can be used in a batch mode requiring the input of enquiries and the output of results usually as a printed report. See also "[On-line](#)".

Continuation

Refers to patent applications filed under the laws of the United States of America, where a second application may be made for the same invention as described in a prior application. The applicant and the disclosure presented in the continuation must be the same as in the prior application, which is subsequently abandoned.

Continuation-in-part

Refers to patent applications filed under the laws of the United States of America, where an application may be filed during the pendency of an earlier application by the same applicant, which covers a substantial portion or all of the subject matter of the earlier application and adds subject matter not contained in the earlier application.

Country Code

See "[Codes](#)".

Databases

See "[Computer Databases](#)".

Deferred Examination

See "[Examination](#)".

Deposit of an Industrial Design

Usually this term means the filing of an [industrial design application](#) together with photographs or other graphical representations of the design.

Description of the Invention

The description of the invention is one of the essential parts of certain kinds of patent documents, e.g., [patent applications](#) or [patents](#). It usually specifies the technical field to which the invention relates, includes a brief summary of the technical background of the invention and describes the essential features of the invention with reference to any accompanying drawings. A deposit of a microorganism may be considered to be part of the description of the invention. See also "[Disclosure](#)", "[Specification](#)" and the [PCT Regulations, Rule 5.1](#).

Design Application

See "[Industrial Design Application](#)".

Design Patent

Title of protection for [industrial designs](#) in some countries (e.g., United States of America).

Disclaimer

Written statement by which an [applicant](#) renounces a [claim](#) or part of it. In respect of [trademarks](#), it may concern word(s), letter(s), devices or other elements constituting part of a sign which is the subject of a trademark application for which no exclusive right can be claimed or granted. The scope of the trademark is thus limited.

Disclosure

In patent information and documentation matters, "disclosure" includes:

- (1) Disclosure of invention is the purpose of the description of the invention claimed in a patent document, e.g., a patent application or a patent. To be valid for purposes of patent law, such a disclosure must be made in a manner sufficiently clear and complete for the invention to be carried out by a person knowledgeable in the field ("person skilled in the art").
- (2) Technical disclosure, which is the information made available to the public on any invention. The disclosure may be written (in a patent application or technical journal – "written disclosure"), oral (in a speech – "oral disclosure"), or may be made by exhibiting an object incorporating the invention in a public exhibition or by using in public such an object or the process that constitutes the invention.

Divisional Application

A [patent application](#) may be divided into two or more separate applications, if the rule of [unity of invention](#) so requires or if there is another reason (e.g., when the priority of two or more earlier applications is claimed for one application). These separate applications are then called “divisional applications” and benefit from the filing date of the initial application. Any priority claimed in the initial application may be claimed for the divisional applications. (See [Paris Convention, Art. 4.G.](#))

Examination

In industrial property information and documentation matters, examination of a [patent application](#) (or an [application for another industrial property right](#)) is usually of two kinds (or stages):

(1) In the “formal examination”, the examiner checks that the application complies with all the formal requirements of the industrial property law. This includes checking whether the application contains all the parts (for instance request, description, drawings, claims, abstract, list of goods etc.) that it should, whether it is presented in the prescribed physical form (legibility, reproducibility), whether the request contains all the indications it must contain (as to the names, addresses, nationalities of the applicant, inventor, creator, agent, etc.), whether the priority claim, if any, contains all the indications it must contain, whether the prescribed fees have been paid, etc.

(2) In the “substantive examination”, the examiner checks whether the application complies with the patentability or registrability requirements of the industrial property law. Among others, the examiner of a patent application considers whether the claimed invention is new, involves an inventive step (is non-obvious) and is industrially applicable (or has utility). A search for [prior art](#) is normally an essential element of substantial examination, though it sometimes may be carried out separately (as, e.g., under the PCT procedure for international applications). Certain industrial property offices consider the [search](#) as a particular stage of the examination (between the “formal” and the “substantive” examination). For trademarks, the subject of the substantive examination is to determine whether the trademark is a sign which fulfills all the prescribed requirements for being capable of serving as a trademark and whether the trademark is in conflict with prior rights.

A patent system in which applications are not subjected to substantive examination is sometimes called a “registration system,” since what the industrial property office does, in essence, is to note (“register”) each application filed with it and grant a patent (or another industrial property right) for each application by the mere act of registration (unless it discovers some formal defects in the application).

The laws of some countries provide that the substantive examination of a patent application by the industrial property office generally starts only on a specific request. This request, however, must be presented within a certain number of years (two to seven) after the publication of the patent application. Until such request is made, substantive examination of the patent application is “deferred,” that is, postponed. If no such request is made, the application is usually considered to be withdrawn.

Family

See “[Patent Family](#)”.

File

In industrial property information and documentation matters, the noun “file” may have three different meanings:

- (1) the totality of the documents pertaining to a given application or grant (documents legally required to obtain, e.g., a patent, as well as the complete record of correspondence between the applicant and the office – “patent file”),
- (2) the container—usually a hard paper cover, called “file wrapper”—of the said documents,
- (3) the whole collection of patent documents (e.g., computerized file, see “[Computer Databases](#)”). The classified collection is often called “[search file](#)”.

Gazette

See “[Official Gazette](#)”.

GIF (Graphics Interchange Format)

An 8-bit-per-pixel bitmap image format that is widely used on World Wide Web due to its wide support and portability. CompuServe introduced the GIF format in 1987 to provide a color image format for their file downloading areas, replacing a format, which was black and white only. GIF became popular because it used more efficient encoding so large images could be downloaded in a reasonable amount of time, with very slow modems.

The format uses a palette of up to 256 distinct colors from the 24-bit [RGB color space](#). It also supports animations and allows a separate palette of 256 colors for each frame. The color limitation makes the GIF format unsuitable for reproducing color photographs and other images with continuous color. GIF images work best for a few solid color images like simple cartoons and line drawings. In comparison to JPG, sharp edges in images, in particular text, are usually better when stored in GIF format. GIFs are used for small animations and low resolution film clips. In circumstances where speed is more important than reduced file size, uncompressed bitmap formats such as Windows bitmap are more commonly used than the GIF format, since uncompressed bitmaps contain raw pixel information and can be displayed very quickly.

GIF images are compressed using the LZW [lossless data compression](#) technique to reduce the file size without degrading the visual quality.

Owner: CompuServe, Unisys (compression algorithm).

(See [Appendix IV](#))

Grant

As a verb, “grant” means the act of conferring an industrial property right to an applicant.

Hague Agreement

See “[International Deposit of Industrial Designs](#)”.

Handbook on Industrial Property Information and Documentation

An authoritative source of information on all matters concerning industrial property information and documentation published by the International Bureau of WIPO. It gives detailed guidance on the problems of storage, processing and retrieval of the technological information contained in patent documents. It contains also the full texts of all [WIPO Standards](#), [PCT minimum documentation](#), detailed information on the IPC, on different computer databases, etc.

Hybrid Systems

See “[International Patent Classification](#)”.

ICC profile

ICC profile is a set of data that characterizes a color input or output device, or a [color space](#), according to standards promulgated by the International Color Consortium (ICC). It describes the distance of the colors in a device's gamut to a generic color space called profile connection space (PCS).

ICIREPAT

Acronym for “International Cooperation in Information Retrieval Among Patent Offices” that was created by a group of industrial property offices as a forum for patent information scientists and documentalists. It ceased to exist in 1979 when its functions were transferred to the WIPO Permanent Committee on Patent Information (PCPI).

Indexes of Patent Documents

Indexes of patent documents issued by industrial property offices and giving the major [bibliographic data](#) of patent documents are of considerable importance to the users who wish to obtain rapid and reliable information on different patent documents. The most useful are cumulative indexes issued yearly, half-yearly or quarterly. Main kinds of indexes are document number index, classification index and alphabetic name index. For indexes of patent documents see WIPO Standards [ST.11](#), [ST.19](#) and [ST.20](#).

Indexing Codes

See "[International Patent Classification](#)".

Industrial Design

In the field of industrial property, "industrial design" means the visual aspect of an object, including its two-dimensional and three-dimensional features of shape and surface. It is protectable through registration in an industrial property office or another competent authority.

French legal terminology, as well as the law of some countries, make a distinction between industrial "designs" and "models". In those cases, the object of a "design" is two-dimensional and that of a "model" is three-dimensional.

Industrial Design Application

A document filed by the [applicant](#), or by an agent (representative) on his(its) behalf, requesting the registration of one or more [industrial designs](#).

Industrial Design Gazette

See "[Official Gazette](#)".

Industrial Design Register

See "[Register of Industrial Property Rights](#)".

Industrial Property Information

General term including [patent information](#), as well as information relating to other industrial property rights, especially [trademarks](#) and [industrial designs](#).

Industrial Property Office

The governmental or intergovernmental authority which receives [applications for the grant of industrial property rights](#) and which grants and administers these rights in accordance with the respective laws. Since there are several kinds of industrial property rights, there may be more than one industrial property office (e.g., a "patent office" and a "trademark office") in a country. There is also the possibility that an industrial property office acts on behalf of the governments of several countries on the basis of a treaty concluded to that effect ("[regional industrial property office](#)").

INID Codes

"INID" is the acronym for *Internationally agreed Numbers for the Identification of Data*. The INID codes are numerical codes allotted to [bibliographic data](#) relating to industrial property documents and printed on their first page and in corresponding entries of Official Gazettes. INID codes have been developed for patent documents, trademarks and industrial designs. (See WIPO Standards [ST.9](#) for patent documents, [ST.60](#) for trademarks and [ST.80](#) for industrial designs.)

Int. Cl.

Standard abbreviation for "[International Patent Classification](#)" when printed on patent documents (see WIPO Standard [ST.10/C](#)).

Interactive Computerized Searching

The search technique of operation of a computer system in which a sequence of alternating entries and responses between the user and the system takes place in a manner similar to a dialogue between two persons.

International Bureau

Secretariat of the World Intellectual Property Organization (WIPO).
The International Bureau of WIPO is considered, for the purposes of certain treaties (e.g., PCT and Madrid Agreement) and certain procedural stages, as an [industrial property office](#).

International Classification for Industrial Designs

The International Classification for [Industrial Designs](#) is based on the Locarno Agreement Establishing an International Classification for Industrial Designs, of 1968. It consists of 32 classes and also comprises an alphabetical list of goods.

International Classification of Goods and Services for the Purposes of the Registration of Marks

The International Classification of Goods and Services for the Purposes of the Registration of Marks is based on the Nice Agreement Concerning the International Classification of Goods and Services for the Purposes of the Registration of Marks, of 1957. This Agreement provides for a classification which consists of a list of classes (34 for goods and 8 for services) and an alphabetical list of goods and services.

International Classification of the Figurative Elements of Marks

The International Classification of the Figurative Elements of [Marks](#) is based on the Vienna Agreement Establishing an International Classification of the Figurative Elements of Marks, of 1973. This classification system concerns only marks consisting of or containing figurative elements (identified by sight). It consists of 29 categories, 144 divisions and 1,569 sections in which the figurative elements of marks are classified.

International Deposit of Industrial Designs

The international deposit of [industrial designs](#) is provided for by the Hague Agreement Concerning the International Deposit of Industrial Designs, of 1925. An international deposit does not require any prior national deposit. It is made directly with the International Bureau of WIPO or, under certain conditions, through the national office of a contracting State.

International Patent Application

An [application](#) for the protection of an invention filed under the [Patent Cooperation Treaty](#) (PCT).

International Patent Classification

The International Patent Classification (IPC) is the patent classification system most commonly used. It is based on an international multilateral treaty (the Strasbourg Agreement Concerning the International Patent Classification, of 1971) administered by WIPO. The IPC is a hierarchical system which, in its fifth edition (1990), subdivides technology into 8 sections, 118 classes, 620 sub-classes and approximately 60,000 groups ("main" groups and "sub"-groups), each having a symbol. The symbol or symbols representing the invention described in any patent document are usually indicated on the patent document by the industrial property office which issued it. Thus, the document will be retrievable, according to its subject matter, with the help of the IPC. The IPC is now applied by about 70 industrial property offices which, taken together, issue over 90% of the patent documents of the world.

In specific areas of the IPC, the concept of hybrid systems has been introduced in order to improve the effectiveness of the IPC. A hybrid system provides for a patent document classified according to the IPC to bear the classification symbols appropriate to the technical subjects disclosed in the document and, associated with those symbols, indexing codes which identify elements of information about the technical subjects in addition to the information covered by one or more of the classification symbols. The indexing codes indicate the essential constituents of a composition or mixture, or constituent groups of a compound, or identify elements or components of a process or structure; alternatively they may identify uses or applications of classified technical subjects.

For details, the official WIPO publication *International Patent Classification* (printed by Carl Heymanns Verlag KG, Cologne) should be consulted. Its volumes 1 to 8 contain the Classification itself, while volume 9 contains the Guide, the survey of classes and the summary of main groups and volume 10 the Guide only. The use of the IPC is facilitated by catchword indexes, e.g., the official "Catchword Index," which contains thousands of "catchwords" arranged in alphabetical order. In addition, in order to facilitate the search with several editions of the IPC, WIPO published, in cooperation with the German Patent Office, the Hungarian National Office of Inventions and the Spanish Patent and Trademark Office, the IPC:CLASS CD-ROM, developed by Arcanum, B.t., Budapest. IPC:CLASS contains the third to fifth editions of the IPC in English and French, the fourth and fifth editions in German, the fifth edition in Hungarian and Spanish, Catchword Indexes in English, French and Spanish, the German "Stich-und Schlagwörterverzeichnis" with a separate English translation, revision concordance data relating to the second to fifth editions of the IPC and the IPC symbols data. General information on the IPC is also contained in the [WIPO Handbook on Industrial Property Information and Documentation](#).

International Preliminary Examining Authority

See "[Patent Cooperation Treaty](#)".

International Registration of Marks

The international registration of [marks](#) is provided for by the Madrid Agreement Concerning the International Registration of Marks, of 1891. Only a mark previously registered in the national trademark office of a contracting State may be registered under the Madrid Agreement at the International Bureau (WIPO) in Geneva.

International Search Report

A listing of citations (see "[Search Report](#)") of such published documents—mainly patent documents—that contain relevant [prior art](#) in respect of the invention claimed in an [international patent application](#) (PCT). It is prepared by an "International Searching Authority" and published together with the international patent application. (See also "[Patent Cooperation Treaty](#)" and "[Citation](#)".)

International Searching Authority

See "[Patent Cooperation Treaty](#)".

Inventor

A person who is the author of an invention. According to Article 4*ter* of the Paris Convention, the inventor has the right to be mentioned as such in the [patent](#).

Inventor's Certificate

Specific form of protection of inventions which, together with [patents](#), used to exist in several countries and still exist in a few countries.

IPC

See "[International Patent Classification](#)".

JOPAL

Acronym for “Journal of Patent Associated Literature”, published periodically by the International Bureau of WIPO. This journal provides, in a highly concentrated form, bibliographic details of selected articles of interest for the purposes of patent search and examination that have recently been published in leading scientific and technical periodicals contained in the list of the “PCT Minimum Documentation”. Selected articles are classified according to the [IPC](#). The content of the JOPAL journals published by the International Bureau of WIPO during the period 1981-92 is available on a CD-ROM (called JOPALROM).

JPEG (Joint Photographic Experts Group)

A commonly used method of compression for photographic images which specifies both the codec and the file format. JPEG compression is used in a number of image file formats; between them, JPEG/EXIF – the most common image format used by digital cameras and other photographic image capture devices, and JPEG/JFIF – the format used mostly for storing and transmitting photographs on the World Wide Web. These format variations are often not distinguished and called JPEG.

JPEG is used for photos when file size must be kept small and some quality loss is acceptable in exchange for a significant reduction in file size. It is best for full-color or grayscale images of real-world scenes. Straight lines display considerable visual artifacts like ringing for too high compression ratios. JPEG is not fully suitable for images with text, large blocks of color, or simple shapes.

Owner: Joint Photographic Experts Group.

(See [Appendix IV](#))

Kind of Patent Document

Several countries and organizations publish [patent documents](#) for various types of protection possible within their jurisdiction. Furthermore, according to certain laws or regulations, patent documents may be published at various stages of the procedure leading from the application for a given industrial property right to its final grant (or refusal). Thus, for certain countries and organizations, various “kinds of patent documents” exist, which may be characterized by the specific type of protection to which they refer and by the stage of the administrative procedure at which they were published. For more details, see [Appendix II](#) and WIPO Standard [ST.16](#).

Laying Open for Public Inspection

See “[Publication](#)”.

Letters Patent

See “[Patent](#)”.

List of Goods and/or Services

An [application for the registration of a trademark](#) must include a list of goods and/or services to which the trademark applies.

Local Environment Searching

Searching in an [interactive mode](#) performed at the computer workstation which may be included in a local area network. External system interface may be provided giving the possibility of remote on-line searching.

Locarno Classification

See “[International Classification for Industrial Designs](#)”.

Lossless data compression

As being contrasted to [lossy data compression](#), a class of data compression algorithms that allows the exact original data to be reconstructed from the compressed data.

Lossy data compression

A technology where compressing data and then decompressing it retrieves data that may be different from the original, it brings the loss of visual quality through the compression process.

LZW compression

A [lossless data compression](#) technique for reducing file size. Until 2004, the use of this option was limited because the LZW technique was the subject of several patents. However, these patents have now all expired.

Madrid Agreement

See "[International Registration of Marks](#)".

Maintenance Fee

"Maintenance fee" or "renewal fee" means the fee that has to be paid, according to the industrial property laws of most countries, at regular intervals (usually once every year in the case of patents ("annuity")) in order to "keep in force" the title of protection. According to the laws of some countries such a fee has to be paid also for applications in order to maintain the validity thereof.

Mark

General term often used to cover both trademarks and service marks. See "[Trademark](#)".

Microfiche

A piece of photographic film containing reduced multiple images which has been processed and cut into sheets (usually A6 – 148 mm x 105 mm). For patent information purposes the images on the sheet reproduce pages of a [patent document](#). The images may be formed optically to produce photo-optical microfiche, or the images may be formed directly from a computer database to produce COM microfiche.

The advantages of microfiche are the relative ease with which master images can be produced, the cheapness of making multiple copies and the very small storage requirements compared with paper storage. Special reader machines are required to view the images or to make paper copies of the images on the microfiche.

Microfilm

A photographic film containing reduced multiple images. The film usually consists of 16 mm or 35 mm width rolls. For patent information purposes, the images are usually the successive pages of patent documents with the documents being presented in numerical order on the film. The first page of each patent document may be indicated ("blipped") on the film to assist automatic location of a desired patent document.

Microform

A generic term denoting all photographic products upon which reduced images are recorded. The term includes [aperture cards](#), [microfilms](#), [microfiches](#).

Minimum Documentation

See "[PCT Minimum Documentation](#)".

Mixed-mode CD-ROM

In the patent field a mixed-mode CD-ROM will contain patent documents recorded in electronic form where the text of the document will be character-coded (e.g. to support retrieval and to maximize disc storage) and will be supplemented by image data of those sections of the document which are complex units (drawings, tables, chemical structures, etc.). The character-coded data will also include aspects of document layout that will allow the display and printing of the text and images in their original relative positions which may or may not be in the original page format. (See "[CD-ROM](#)".)

Nice Classification

See "[International Classification of Goods and Services for the Purposes of the Registration of Marks](#)".

Non-patent Literature

In general, scientific and technical journals, periodicals, monographs, textbooks, etc. In patent information, the term "non-patent literature" is often used in the narrower sense of "[patent-associated literature](#)" (see corresponding entry).

Numerical Collection (of Patent Documents)

A collection ordered in the sequence of the serial numbers of the documents contained in it, thus allowing access to these documents according to this number (with regard to possible and existing numbering systems of patent documents, see WIPO Standard [ST.6](#)).

Official Gazette

Most industrial property offices publish an official gazette (or "official bulletin" or "official journal"), which gives information on the procedural steps taken in respect of individual industrial property rights, as well as on official communications of the office, on the changes of the current industrial property laws, on the legal status of patent documents, etc. In some countries, official gazettes are published separately for patents, for marks and for industrial designs ("patent gazette," "trademark gazette" and "industrial design gazette").

Entries concerning inventions are listed according to the most important [bibliographic data](#), such as identification numbers of the patent documents, codes for identification of kinds of documents, classification symbols or names of applicants or inventors. Many official gazettes also publish, at least at one procedural stage, the [abstract](#) or main [claim\(s\)](#) of the claimed invention, plus drawing(s) and/or formula(e). The official gazettes of some countries publish the full text of patent documents. Trademark gazettes or trademark sections of official gazettes publish entries concerning procedural stages according to the legislation on marks. A similar practice is followed in the case of industrial designs.

In addition to the publication of the official gazette, some [industrial property offices](#) also publish, quarterly or annually, [cumulative indexes](#) of some of the listings contained in the official gazettes.

On-line

The technique of using a computer system in a direct, interactive mode, resulting in the establishment of a dialogue between the computer terminal and the computer database. The computer terminal may be quite remote from the computer center itself. The connection can be made through telephone or telex lines, but more frequently, for this type of communication, information switching networks are used.

Searching on-line databases requires a knowledge of the structure of the database as well as of the search parameters provided for in the computer system which gives access to the database.

See also "[Computerized Retrieval of Information](#)".

Opposition

Opposition is a request, presented by the "opposing party" (a person or entity other than the [applicant](#) or the owner of the industrial property right) to the [industrial property office](#) to refuse the application or to revoke the industrial property right.

Optical Storage

Storage of information on digital optical carriers (mainly optical discs). The rapid development and introduction of digital optical carriers is due to their advantages, such as large storage capacity, high reliability, long durability and relatively low cost. Two general formats of storage are used:

- (1) bit-mapped format, compressed in a way to give facsimile images after decompression,
- (2) character-coded digital format.

At present digital optical storage means exist mainly in the shape of discs, of which 12-inch discs and 5.25-inch discs are for storage applications in in-house computer systems and 5.5-inch discs (CD-ROM's) are commonly used for data distribution. (See also "[CD-ROM](#)" and "[WORM](#)".)

Pantone color system

A color system used in the context of color printing. Colors are defined by their numbers, which can be chosen from cards. The [color space](#) of this system is by far larger than [CMYK](#), as metallic and fluorescents can also be defined.

Paris Convention

The Paris Convention for the Protection of Industrial Property is the basic international convention in the field of industrial property, adhered to by over 100 States. The Convention was concluded in Paris in 1883, revised repeatedly (in Brussels in 1900, in Washington in 1911, in The Hague in 1925, in London in 1934, in Lisbon in 1958 and in Stockholm in 1967), and amended in 1979. It provides among others that, as regards industrial property, each contracting State must ensure that foreigners enjoy the same protection given to its own nationals and the right of priority established in Article 4 of the Convention. The Convention also lays down various minimum standards of protection and common rules which all contracting States must follow in their national laws.

Patent

(1) A patent is a title of legal protection of an invention, issued, upon [application](#) and subject to meeting legal criteria, by a [government office](#) (or a regional office acting for several countries). It creates a legal situation in which the patented invention can normally be exploited only with the authorization of the owner of the patent. The protection conferred by a patent is limited in time (generally 15 to 20 years from filing or grant). It is also limited territorially to the country or countries concerned.

(2) The concrete form of the patent is often a certificate or letter (also called "patent" or "letters patent"), accompanied by a [patent specification](#) which describes the patented invention.

Patent Announcements Journal

Official journal containing announcements with respect to patent documents. The term "announcement" comprises in a wider sense the abstract of the description of an invention or of a utility model as well. (See terms "[Official Gazette](#)" and "[Abstract Journal](#)".)

Patent Application

A document filed by the [applicant](#), or by an agent (representative) on his(its) behalf, requesting the grant of a [patent](#). It usually contains a detailed [description of the invention](#), the [claims](#), and drawings when necessary for the understanding of the invention. According to the patent legislation of some countries, the patent application is published 18 months after the filing date or, where appropriate, priority date, sometimes together with a [search report](#).

Patent Associated Literature

An expression used for those scientific journals and periodicals that contain articles useful for the purposes of [patent search](#) and [examination](#). Around 170 periodicals have been selected under the [Patent Cooperation Treaty](#) as forming the minimum requirements for non-patent literature to be kept by a PCT International Searching Authority. (See "[Non-patent literature](#)" and "[JOPAL](#)".)

Patent Cooperation Treaty (PCT)

An international treaty concluded in 1970, open to all States party to the Paris Convention, and administered by WIPO. It provides for the possibility of filing international (patent) applications which have, in each contracting State designated by the [applicant](#), the same effect as a regular national patent application directly filed with the [patent office](#) of or acting for the designated State. It further provides for a search of the [prior art](#) to be carried out for each international application by an "International Searching Authority" and for an (optional) international preliminary examination carried out by an "International Preliminary Examining Authority".

For details the corresponding documents and publications should be consulted (the [Patent Cooperation Treaty](#) and the [Regulations under the PCT](#) as well as, e.g., the WIPO official publication "[PCT Applicant's Guide](#)").

Patent Document

If not specified otherwise, the expression "patent documents" normally includes the following documents: [patents for invention](#), [inventors' certificates](#), [utility certificates](#), [utility models](#), [patents or certificates of addition](#), inventors' certificates of addition, utility certificates of addition and published [applications](#) therefor. For details on different kinds of patent documents, see [Appendix II](#) and WIPO Standard [ST.16](#).

Patent Family

A collection of published [patent documents](#) relating to the same invention, or to several inventions sharing a common aspect, that are published at different times in the same country or published in different countries or regions. Each patent document in such a collection is normally based on the data for the [application\(s\) on which the basis for its "priority right" has been claimed](#). Below follow the definitions for different types of patent families:

(1) SIMPLE PATENT FAMILY

"Simple patent family" means a patent family relating to the same invention, each member of which has for the basis of its "priority right" exactly the same originating application or applications.

(2) COMPLEX PATENT FAMILY

"Complex patent family" means a patent family relating to the same invention or to several inventions sharing a common aspect, each member of which has for the basis of its "priority right" at least one originating application in common with the other members of the family.

(3) EXTENDED PATENT FAMILY

"Extended patent family" means a patent family relating to one or more inventions, each member of which has for the basis of its "priority right" at least one originating application in common with at least one other member of the family.

(4) NATIONAL PATENT FAMILY

"National patent family" means a patent family relating to one or more inventions, the members of which are published by the same office and at least two of which are distinct from each other (i.e., not merely a different procedural publication stage for the same originating application – see domestic patent family), and having for their basis of "priority right" at least one originating application in common with the other members of the family. The relationship of at least two of the published patent documents in this type of patent family is a result of additions, continuations, continuations-in-part, or divisions of the original subject of invention covered by an originating application.

(5) DOMESTIC PATENT FAMILY

"Domestic patent family" means a patent family consisting solely of a single office's different procedural publications for the same originating applications(s).

(6) ARTIFICIAL PATENT FAMILY

Artificial Patent Family (intellectual or non-conventional patent family) – means a patent family consisting of a collection of equivalent patent documents (i.e., documents relating to the same invention) published by different offices and at least some of which do not share a common originating application or applications (or where data relating to such a common originating application is not disclosed). The members of this type of family are determined only after intellectual investigation to have essentially the same disclosed content.

Examples illustrating the above types of patent families are given in [Appendix III](#).

Patent Gazette

See "[Official Gazette](#)".

Patent Information, Types of

Patent information covers:

- (1) technical information relating to articles, products, processes and uses and described in the examples, drawings and formulae of the patent documents,
- (2) legal status information relating to whether the patent or other industrial property right is in force, data from the patent register, etc., and
- (3) bibliographic information relating to published patent documents.

See also "[Access to Industrial Property Information](#)".

Patent of Addition

A kind of [patent](#) provided for in the legislation of some countries, allowing the [inventor](#) to obtain, at reduced costs, protection for improvements of an invention for which a [patent application](#) was already filed or for which a patent had been granted earlier (main patent). The grant and maximum duration of a patent of addition are dependent on that of the main patent. If the main patent becomes invalid, the patent of addition may continue to be valid by becoming a main patent itself, subject to the payment of the fees foreseen to maintain a "main patent" in force.

Patent Office

See "[Industrial Property Office](#)".

Patent Register

See "[Register \(of Industrial Property Rights\)](#)".

Patent Specification

See "[Specification](#)".

Patentee

The owner of the patent, i.e., the holder of the right represented by the patent.

PCT

See "[Patent Cooperation Treaty](#)".

PCT Minimum Documentation

A (very comprehensive) collection of [patent documents](#) and other [technical literature \(non-patent literature\)](#) an [industrial property office](#) must have at its disposal in order to obtain the status of "[International Searching Authority](#)" (see [Rule 34](#) of the PCT).

Petty Patent

"Petty patent" is an unofficial designation sometimes given to [utility models](#). "Petty patent" is also the official name of a title known in the Australian law—in contradistinction to a "standard" patent—and which provides shorter term protection and is granted under easier conditions and at reduced costs, than "standard" patents. (See "[Priority Document](#)".)

Plant Patent

Special kind of patent protecting new plant varieties.

PNG (Portable Network Graphics)

A bitmapped image. PNG was created to improve upon and replace the GIF format, as an image-file format not requiring a patent license. The PNG format is becoming an increasingly popular replacement for GIF images since it uses better compression techniques and does not have a limit of 256 colors. Typically the file size of a PNG is about 20% smaller than the same GIF image. PNG was developed around 1995 and became a W3C recommendation in 1996, and has been widely implemented in most Web browsers since 1998.

PNGs do not support animations. It is a universal format that is recognized by the World Wide Web consortium, and supported by modern web browsers. PNG is commonly used in Macromedia Suite software application.

Owner: World Wide Web Consortium.

(See [Appendix IV](#))

Primary Sources of Patent Information

This expression usually denotes [patent documents](#). In some cases, it may denote also institutions making patent documents accessible.

Prior Art

Synonym of "[State of the Art](#)".

Priority Application

The (first) [application](#) filed by an [applicant](#) on the basis of which subsequent applications filed by the same applicant or his successor in title for the same invention, or concerning the same industrial property right, may be accorded a priority right in accordance with [Article 4 of the Paris Convention](#) or in accordance with any equivalent provision in the national or regional law.

Priority Data

The part of the bibliographic data (normally published on the first page of a patent document) identifying the earlier patent application(s) on the basis of which a so-called priority right has been claimed (usually based on [Article 4 of the Paris Convention](#)). These identification data comprise three elements: the application number, the filing date and the identification of the country or organization where the respective earlier application was filed. Priority data belong to the basic [bibliographic data](#) of a patent document and may serve, *inter alia*, for identifying patent documents published in different countries and languages but referring to the same invention ("[Patent Family](#)").

Priority Document

Copy of the [priority application](#), required by an [industrial property office](#) when a declaration of priority under [Article 4 of the Paris Convention](#) or any equivalent provision in the national or regional law has been made in connection with an [application](#) filed with that office.

Publication

In publications on [industrial property information](#) matters, the terms "publication" and "published," relating to industrial property documents, are normally used in the sense of making available the contents of a document to the public.

Depending on the particular national law, [patent documents](#) may be published on several levels of publication, as given in WIPO Standard [ST.16](#), and in one of the following forms:

- (1) by making the patent document available to the public at the industrial property office by

- (i) laying it open to public inspection, within a determined period. The beginning of that period, as well as its duration, are fixed by industrial property laws of the respective country;
- (ii) supplying a copy of the document on request;
- (2) by producing multiple copies of a document by printing or like process and offering to anyone for buying;
- (3) by reproducing the entire patent document in the official gazette.

According to some national laws, industrial property offices publish in the official gazette a reference to the patent document which either

- (i) may have already been published at an earlier procedural stage (e.g., the case of a patent application which was published 18 months after its filing or priority date and to which a reference is later published in the official gazette at the time of the grant of the patent thereon), or
- (ii) is made available to the public at the industrial property office.

[Trademarks](#) and [industrial designs](#) are usually published as entries in official gazettes.

See also "[Official Gazette](#)".

Regional Patent

[Patent](#) granted by a [regional patent \(or industrial property\) office](#). The effects of such regional patent in member States designated by the applicant are the same as for patents granted according to the national legislation.

Regional Patent (or Industrial Property) Office

Office created by an international treaty between States of a region. It grants regional patents and possibly other industrial property rights. Their activities are similar to those of national [industrial property offices](#), but are carried out on behalf of all the member countries.

Register (of Industrial Property Rights)

Register kept by an [industrial property office](#) in which is recorded the legal status of different industrial property rights. Usually, the office keeps separately a patent register, a trademark register and an industrial design register.

Registration of the Industrial Design

The issuance of a certificate of registration confers on the proprietor of a registered [industrial design](#) the exclusive right of exploiting the design.

Registration of the Mark

The exclusive right to a [mark](#) is typically acquired by registration at an [industrial property office](#), but, in a few countries, that exclusive right is attained by first use. When used, a registered trademark is sometimes accompanied by the symbol (R) for "registered" or TM for "trademark" or RTM for "registered trademark".

Reissue Patent

According to the legislation of some countries, an amended patent issued to supersede an original patent for the same invention and expiring on the same date as the original patent would have expired.

Remote On-line Searching

Searching in an interactive mode from a computer terminal in a remote computer database using telecommunication channels.

Renewal

The registration of a [trademark](#) or of an [industrial design](#) may be renewed. The renewal of a registration is published in the [official gazette](#) in order to ensure that anybody interested is informed about the renewal. The request for renewal usually is not examined as to substance. If the renewal is not effected, the registration expires.

Renewal Fee

See "[Maintenance Fee](#)".

RGB

A [color model](#) which uses red, green and blue as primary colors. The color model is strongly related to CRT monitors as output device, which use these primary colors to produce colored display. Due to the fact that colors in CRT monitors can vary widely, and the colors red, green and blue are not specified in terms of chromaticity, the resulting color is not defined in absolute terms (relative color model).

SDI Service (Selective Dissemination of Information)

Service providing [patent information](#) based on profiles of interest, e.g. defined using symbols of the [IPC](#). It is used by research institutions, industrial enterprises and other organizations to create and maintain search files according to their needs.

Search

The search through the [search files](#) is made in order to identify any [documents](#) considered to be necessary to determine whether the invention is new and involves an inventive step.

Types of search:

- (1) According to technical means used: manual search (in a paper collection), mechanized search (e.g., using punched cards), on-line search (in a computerized file).
- (2) According to the purpose of the search: state of the art search, novelty search, infringement search, etc.
- (3) According to the means used: classified search, name search, catchword (keyword) search, full text search, etc.

The search is sometimes made also for [trademarks](#) and [industrial designs](#) in the trademark or design register. The purpose of the search usually is to find out if the conditions of the registrability of a trademark or of a design are fulfilled, particularly as regards earlier conflicting rights.

See also "[Examination](#)".

Search File

See "[Classified Collection](#)".

Search Report

Report of the results of a [search](#) of the [state of the art](#), made by or on behalf of an [industrial property office](#), indicating [citations](#) considered relevant for determining, in particular, the novelty and inventive step of the invention as claimed. A search report in the case of other industrial property rights also gives the results of the search, e.g., on the conditions of the registrability of a trademark, particularly as regards earlier conflicting rights, etc.

Secondary Sources of Patent Information

This expression denotes all kinds of sources, except [patent documents](#) (e.g., journals, official gazettes, databases, etc.), which supply [bibliographic data](#) on patent documents and information on their contents in a convenient and consolidated form, e.g., by an abstract or by a reproduction of the main claim(s), plus a reproduction of the basic drawing(s) or formula(e) whenever appropriate. Secondary sources of patent information imply, but are not restricted to, [official gazettes](#), [abstract pamphlets](#) or [indexes](#) published by [industrial property offices](#). Often, secondary sources of patent information originate from specialized commercial institutions.

Service Mark

See "[Trademark](#)".

Specification

The part of a [patent document](#) which gives a detailed description of the invention, accompanied by [claims](#). The specification may, when appropriate, include drawings and formulae. (See also "[Description of the Invention](#)".)

sRGB

A [color model](#) designed to match typical home and office viewing conditions. sRGB is an absolute color model based on defined and measured primaries red, green, and blue. It is well suited for editing and saving images intended for publication on the Internet. Due to its limited gamut, however, it is not suited for professional printing.

Standards (WIPO)

WIPO standards concerning industrial property information and documentation have been elaborated and adopted by the PCIP/IPC or its predecessors as recommendations to the industrial property offices. They contain rules and regulations relating to a number of matters of industrial property information and documentation. The application of standards by the industrial property offices makes it possible to uniformize their practice and to facilitate international cooperation in this field. The full text of all WIPO standards is published in the [WIPO Handbook on Industrial Property Information and Documentation](#).

State of the Art (Prior Art)

The level of development to which a particular area of technical subject matter has advanced at a given date. It consists of everything disclosed to the public, in the form usually defined by the national legislation. In connection with a particular invention, the state of the art is decisive for the determination of the patentability of the invention in regard to novelty and inventive step.

Supplementary Protection Certificate

A Supplementary Protection Certificate is an industrial property right which is granted for a product which has obtained authorization to be placed on the market as a medicinal product or plant protection product. The certificate takes effect at the end of the term of a [patent](#) which protects the product as such, a process to obtain the product or an application of the product. The certificate extends the protection conferred by the said patent, but only in respect of the product covered by the said authorization and any use of that product as a medicinal or phytopharmaceutical plant protection product that has been authorized before expiry of the certificate. The certificate does not extend the term of the said patent.

The duration of a supplementary protection certificate can be extended for medicinal products for paediatric use when all the measures in the agreed paediatric investigation plan have been complied with. That fact should be recorded in the marketing authorization.

In this context:

- “medicinal product” means any substance or combination of substances presented for treating or preventing diseases in human beings or animals or any substance or combination of substances which may be administered to human beings or animals with a view to making a medical diagnosis or to restoring, correcting or modifying physiological functions in humans or in animals;

- “~~phytopharmaceutical~~ **plant protection** product” means any active substance or preparation containing one or more active substances, put up in the form in which it is supplied to the user, intended to:
 - (i) protect plants or plant products against all harmful organisms or prevent the action of such organisms, in so far as such a substance or preparation is not otherwise defined below;
 - (ii) influence the life processes of plants, other than as a nutrient (e.g., plant growth regulators);
 - (iii) preserve plant products, in so far as such a substance or product is not subject to special Council or Commission provisions on preservatives;
 - (iv) destroy undesirable plants; or
 - (v) destroy parts of plants, check or prevent undesirable growth of plants;
- “product” means the active ingredient or combination of active ingredients of a medicinal ~~or~~ **phytopharmaceutical product or plant protection product**.

~~A notification of the application for a supplementary protection certificate and of the fact that the certificate has been granted or the application for the certificate has been rejected is published by the industrial property office with which the application was lodged.~~

The following notifications, where applicable, regarding a supplementary protection certificate are published by the concerned industrial property office:

- the application for the certificate
- the grant of the certificate
- the rejection of an application for the certificate
- the application for an extension of the duration of the certificate
- the grant of an extension of the duration of the certificate
- the rejection of an application for an extension of the duration of the certificate
- the application for a revocation of an extension of the duration of the certificate
- the revocation of an extension of the duration of the certificate
- the rejection of an application for a revocation of an extension of the duration of the certificate
- the application for a correction of the duration of the certificate
- the correction of the duration of the certificate
- the rejection of an application for a correction of the certificate
- the lapse or invalidity of the certificate
- the application to surrender the certificate

TIFF (Tagged Image File Format)

A flexible, adaptable and editable file format. It can handle multiple images and data in a single file through the inclusion of “tags” in the file header. Tags indicate the basic geometry of the image, such as its size, or define how the image data is arranged and whether various image compression options are used. For example, TIFF can be used as a container for JPEG and RLE (run-length encoding) compressed images. A TIFF file can also include a vector-based Clipping path (an outline that crops or frames the main image).

TIFF is a file format for storing images, including photographs and line art. It is a popular format for high color depth images and is used in print. It is widely supported by image-manipulation applications used in desktop publishing and page layout applications such as Adobe Creative Suite, by scanning, faxing, word processing, optical character recognition.

Owner: Adobe Systems.

(See [Appendix IV](#))

Title of the Invention

Several words contained in the request part of the [application](#) indicating clearly, concisely and as specifically as possible the subject matter of the invention. For details on the title of the invention see WIPO Standard [ST.15](#).

Trademark

A sign which serves to distinguish usually the goods (as does the “service mark” with regard to services) of an industrial or a commercial enterprise or a group of such enterprises. The sign may consist of one or more distinctive words, letters, numbers, drawings or pictures, symbols, monograms or signatures, colors or combinations of colors, holograms or sounds, and, under some legislation, it may also consist of the form or other special presentation of containers or packages for a product (provided it is not solely dictated by their function). The sign may consist also of combinations of any of the said elements. Accordingly, trademarks can be divided into several categories, as, for instance, word marks, figurative marks, combined marks, three-dimensional marks, etc.

See also “[Registration of the Mark](#)”.

Trademark Application

A document filed by the [applicant](#), or by an agent (representative) on his(its) behalf, requesting the [registration of a mark](#). It usually contains a reproduction of the mark, the [list of the goods and/or services](#) in respect of which registration is sought, and the [class or classes into which those goods and/or services fall](#).

Trademark Gazette

See “[Official Gazette](#)”.

Trademark Office

See “[Industrial Property Office](#)”.

Trademark Register

See “[Register \(of Industrial Property Rights\)](#)”.

Unity of Invention

The laws of several countries contain the requirement of the so-called “unity of invention”, i.e., that the [application](#) can relate to one invention only or to a group of inventions so linked as to form a single general inventive concept. If the said requirement is not fulfilled, the application must be divided. See also “[Divisional Application](#)”.

Utility Certificate

A specific form of protection of inventions existing, together with [patents](#), in France (“certificat d'utilité”). Applications for utility certificates are not subject to a [state of the art search](#) and their duration is shorter (only 6 years).

Utility Model

A protective title provided for in several national laws in order to protect a minor invention, upon [application](#), normally through mere registration, by a [government office](#), of the description, drawing or other picture, or also by the filing of a model, in accordance with requirements somewhat less strict than those for obtaining patent protection (e.g., lower fees, only in certain technical fields, in some countries not requiring inventive step), but also protected to a lesser extent (e.g., shorter duration). Otherwise, the rights conferred by a utility model are similar to those conferred by a [patent](#).

Vienna Classification

See "[International Classification of the Figurative Elements of Marks](#)".

WIPO (World Intellectual Property Organization)

Specialized agency (organization) in the United Nations system. Its objectives are:

- (1) to promote the protection of intellectual property throughout the world through cooperation among States and, where appropriate, in collaboration with any other international organizations,
- (2) to ensure administrative cooperation among the intellectual property Unions.

The WIPO body charged with industrial property information and documentation matters is the "Committee on WIPO Standards (CWS)".

WORM (Write Once Read Many)

A frequently used means of optical storage of the type of an optical disc. The user can write on the disc any information he wishes as a once only operation. Stored information cannot be erased once formed but can be read many times. Information can only be added to existing data.

[Appendices follow]

APPENDIX I

EXPLANATION OF SOME ABBREVIATIONS AND ACRONYMS OFTEN USED IN DOCUMENTS AND PUBLICATIONS ON MATTERS OF INDUSTRIAL PROPERTY INFORMATION AND DOCUMENTATION

1. International Organizations and their Organs, International Treaties

ARIPO	African Regional Industrial Property Organization
BIRPI	Bureaux internationaux réunis pour la propriété intellectuelle (United International Bureaux for the Protection of Intellectual Property) (predecessor of WIPO)
CCITT	Comité consultatif international télégraphique et téléphonique (International Telegraph and Telephone Consultative Committee)
CEC/CCE	Commission of European Communities/Commission des Communautés européennes
CMEA/CAEM	Council for Mutual Economic Assistance/Conseil d'assistance économique mutuelle (ceased to exist in 1991)
EC/CE	European Communities/Communautés européennes
EPC/CBE	European Patent Convention/Convention sur le brevet européen
EPO/OEB	European Patent Organisation or European Patent Office/Organisation européenne des brevets ou Office européen des brevets
ESARIPO	Industrial Property Organization for English-speaking Africa (predecessor of ARIPO)
FID	Fédération internationale pour l'information et documentation (International Federation for Information and Documentation)
ICIREPAT	International Cooperation in Information Retrieval Among Patent Offices (predecessor of the WIPO PCPI and PCIPI)
IPC/CIB	International Patent Classification/Classification internationale des brevets
ISO	International Organization for Standardization
OAPI	Organisation africaine de la propriété intellectuelle (African Intellectual Property Organization)
OLPI	International Association of Producers and Users of On-line Patent Information
PCIPI	WIPO Permanent Committee on Industrial Property Information
PCPI	WIPO Permanent Committee on Patent Information (predecessor of the PCIPI)
PCT	Patent Cooperation Treaty
PDG	Patent Documentation Group
WIPO/OMPI	World Intellectual Property Organization/Organisation Mondiale de la Propriété Intellectuelle

2. Computer Terms

CD-DRAW	Compact Disc – Direct Read after Write
CD-I	Compact Disc – Interactive
CD-ROM	Compact Disc – Read Only Memory
DON	Disque optique numérique
EDP	Electronic Data Processing
PC	Personal Computer
ROM	Read Only Memory
WORM	Write Once – Read Many (times)

3. Other Terms and Names Relating to Industrial Property Information

ASCII	American Standard Code for Information Interchange
ASD	Accumulated Standardized Data
BACON	Backfile Conversion
BOPI	Bulletin officiel de la propriété industrielle (France)
BOPI	Boletín Oficial de la Propiedad Industrial (Spain)
BOPI	Buletin Oficial de Proprietate Industrială (Romania)
CAPRI	Computerized Administration of Patent Documents Reclassified according to the IPC (EPIDOS-INPADOC)
CAS	Chemical Abstracts Service
CASSIS	Classification and Search Support Information System
CCMSS	Computer Controlled Microform Search System
CPI	Central Patent Index (Derwent)
DARC	Documentation et Automatisation des Recherches et Corrélation
DBMS	Database Management System
EBCDIC	Extended Binary Coded Decimal Interchange Code
EDT	Extended Data Tape (EPIDOS-INPADOC)
EPI	Electrical Patent Index (by Derwent)
EPR	European Patents Report (Derwent), European Patent Register
EPIDOS-	Services offered by the former International Patent
INPADOC	Documentation Center (now European Patent Office, Vienna Sub-office) (EPIDOS stands for European Patent Information and Documentation Systems)
FIZ	Fachinformationszentrum
IFD	Family Data Tape (EPIDOS-INPADOC)
IFI/PDC	Information for Industry/Plenum Data Company
INID	Internationally agreed Numbers for the Identification of Data
INKA	Informationssystem Karlsruhe
INL	Numerical List (EPIDOS-INPADOC)
INPADOC	International Patent Documentation Center (now European Patent Office, Vienna Sub-office)
IPG	Patent Gazette (EPIDOS-INPADOC)
ISBN	International Standard Book Number
ISSN	International Standard Serials Number
JAPIO	Japan Patent Information Organization
JIII	Japan Institute of Invention and Innovation
NDB	Numerical Database (EPIDOS-INPADOC)
PAJ	Patent Abstracts of Japan
PAP	Patent Applicant Service on Microfiche sorted by Priorities (EPIDOS-INPADOC)
PAS	Patent Applicant Service (EPIDOS-INPADOC)
PCS	Patent Classification Service (EPIDOS-INPADOC)
PFS	Patent Family Service (EPIDOS-INPADOC)
PIS	Patent Inventor Service (EPIDOS-INPADOC)

PRS	Patent Register Service (EPIDOS-INPADOC)
R&D	Research and Development
SDI	Selective Dissemination of Information
SII	Soviet Inventions Illustrated (Derwent)
SPEP	Sistema de publicación electrónica de patentes
WILA	Wilhelm Lampl K.G. Verlag für Wirtschaftswerbung
WPA	World Patents Abstracts (Derwent)
WPI(L)	World Patents Index (Latest) (Derwent)

[Appendix II follows]

APPENDIX II

LIST OF DENOMINATIONS OF PATENT DOCUMENTS AS PUBLISHED BY INDUSTRIAL PROPERTY OFFICES

The following list contains all titles of patent documents published by approximately 60 industrial property offices. The list is divided into numbered sections according to the different kinds of patent documents. The titles of the patent documents listed in each of the sections are followed by an indication of the country or countries which currently publish or which have published the said document. An asterisk before the title of a document indicates that the document in question is no longer published; an asterisk accompanying a country code indicates that the document is no longer published by the corresponding country or organization. Titles of documents which appear as defined terms in the Glossary are indicated with a cross.

More details on particular kinds of patent documents can be found in the Appendices to WIPO Standard [ST.16](#).

1. Applications for Patents and Other Similar Titles of Protection, Except Documents Relating to Utility Models and to Industrial Designs

- + *Patent applications (general)*
 - * Accepted patent application – YU
 - Application – UY
 - Application for a patent for invention – BE, BO, FR, IL, IT, LU, PT, TN
 - Application for an invention – CZ
 - Application published with a search report – EP, GB
 - Application published without a search report – EP
 - Description of an application for a patent – PL
 - Document laid open (for public inspection) – AT, CH, DE, DK*, FI, NO, SE
 - Examined application for a patent for invention – CN
 - * First publication – BR
 - Official gazette of unexamined patents – KR
 - Patent application – MW, NZ, YU, ZM
 - Patent application laid open – CA, NL, YU
 - Patent application made available to the public – BG, DK, FI, NO, SE
 - Patent application published with a search report – ES, RO
 - Patent application published without a search report – ES, RO
 - Patent application specification as filed – IE
 - * Publication – BR
 - * Publication of an application for a privilege – BR
 - Published examined patent application – JP
 - Published patent application – HU, MX, NL
 - Published unexamined patent application – JP
 - Request for privilege – patent for invention – BR
 - Standard patent application – AU
 - Unexamined application for a patent for invention – CN
 - Unexamined application for a patent for invention laid open – RU

International applications, applications for special kinds of patents and for titles of protection for inventions other than patents

- Application for a patent for invention – max. 6 years – BE
- Application for a patent for a new variety of plant – IT
- Application for a Supplementary Protection Certificate – FR
- Application for a confirmatory patent – BO
- Application for a patent of improvement – BO
- Description of an application for a provisional patent – PL
- Description of an application for a provisional patent of addition – PL

- + International application (patent) (published with the international search report) – WO
- + International application (patent) (published without the international search report) – WO
- Later published amended claims – WO
- Petty patent application – AU
- Published unexamined patent application based on international application – JP

Applications for additional documents

- Application for a certificate of addition – TN
- Application for a certificate of addition to a patent for invention – FR⁽¹⁾, PT*
- Application for a patent of addition – MW, ZM
- Description of an application for an additional patent – PL

2. Patents and Other Similar Titles of Protection, Except Documents Relating to Utility Models and to Industrial Designs

Granted patents for inventions (general)

- Accepted standard patent – AU
- Certificate of patent for invention – CU
- Description of a granted patent for invention – PL
- Description of patent for invention – BG
- Description of an invention – RO
- Description of an invention for a patent – BG*, CS, RU
- Granted patent for invention – RO
- * Letter patent – BR
- * Patent (pre-1836) – US
- Patent – AP, BR, CA, DK*, FI*, MN, NL, NO, SE*, SI, RU, US, UY, VN
- Patent for invention – AR, BE, BO, EG, ES*, FR, GR, IT, MA, MC, MX, OA, PE, PH, PT, RO, TN
- Patent for invention (complete) – ZW
- Patent published after examination – ES
- Patent published with a search report – ES
- Patent published without a search report – ES
- Patent specification – AT, BD, CH, CZ, DE, DK, EP, FI, GB, HU, IE, JP*, KR, SE, YU
- Specification of a patent for invention – TR

Special kinds of patent and titles of protection for inventions other than patents

- Certificate of invention – MX
- Confirmatory patent – BO
- Description of an invention for an inventor's certificate – BG*
- Description of a patent for which a provisional patent has been granted previously – PL
- Description of a provisional patent – PL
- + Inventor's certificate – CU, MN, RU*, VN
- Patent for invention – max. 6 years – BE
- Patent for a new variety of plant – IT
- Patent of importation – AR, BE*, ES*
- Patent of improvement – BE*, BO, MX, PE
- + Petty patent – AU
- + Plant patent – US
- Short-term patent – max. 10 years – SI
- * Special patent for medicament – FR
- * Specification of inventors' certificate – HU
- Supplementary Protection Certificate – AU, BE, DE, FR, GB, IE, JP, KR, MX, NL, US

Additions concerning granted patents for inventions

- Certificate of addition – AR, ES*, LU, MA, MC, TN
- Certificate of addition to a patent for invention – CU, FR⁽¹⁾, PT*
- Complementary description of an invention – RO
- Description of an additional patent – PL
- Description of an invention for an additional patent – BG*
- + Patent of addition – AR, EG, GB, GR, IN, MN, RU, SI, VN
- Patent of addition (complete) – ZW
- * Patent specification to a patent of addition – AT, CH, HU

Additions concerning special kinds of patent and titles of protection for inventions other than patents

- * Additional improvement – US
- * Certificate of addition to a special patent for medicament – FR
- Description of a provisional patent of addition – PL
- Description of an additional patent for which a provisional patent has been granted previously – PL
- Description of an invention for an additional inventor's certificate – BG*
- Patent for invention of improvement – RO
- Inventor's certificate of addition – CU, MN, RU*, VN
- * Specification of inventors' certificate of addition – HU

3. Documents Relating to Utility Models

Utility model applications (incl. international applications)

- Application for a certificate of addition to a utility certificate – FR⁽¹⁾
- Application for a utility certificate – FR
- Application for a patent for utility model – CN, IT
- Description of an application for an additional utility model – PL
- Description of an application for utility model – PL
- International application (utility model) (published with the international search report) – WO
- International application (utility model) (published without the international search report) – WO
- Official gazette of unexamined utility models – KR
- Published examined utility model application – JP
- Published unexamined utility model application – JP
- Published unexamined utility model application based on international application – JP
- Request for privilege – utility model patent – BR
- Utility model application – ES, PT
- Utility model application made available to the public – BG, DK

Utility models – grants

- Certificate of addition to a utility certificate – FR⁽¹⁾
- Description of a utility model patent – BG
- Description of utility model – PL
- Patent for utility model – IT, PH, RU
- Registered utility model specification – FI, JP*, MX
- Title of utility model – PE
- + Utility certificate – FR
- + Utility model – DE, ES, PT
- Utility model specification – DK, KR

4. Other Documents

Amended, corrected, modified or reissued documents

- Amended or corrected patent specification – GB
- * Amended patent specification – GB
- Certificate extending patent term under 35 USC, Section 156 – US
- Certificate of correction – US
- Corrected patent specification – JP
- Corrected registered utility model specification – JP
- Modified published application for a patent for invention – CN
- Modified published application for a utility model patent – CN
- New patent specification – EP
- Patent specification (amended) – DK
- Petty patent amended after acceptance – AU
- Reexamination certificate – CA, US
- * Reissue patent (pre-1836) – US
- + Reissue patent – CA, US
- Standard patent amended after acceptance – AU
- Utility model specification (amended) – DK

Translations

- Patent abstracts published in English – KR, RU
- Publication of the international application in German translation – DE
- Publication of claims of the European patent application in German translation – DE
- Translation of the amended European patent specification – DE, DK, GB, SE
- Translation of the description and claims of a European patent as amended after opposition – FR
- Translation of claims of the European patent application – DK, FR, GB, SE
- Translation of claims and drawings of the European patent application – ES, PT
- Translation of European patent application abstracts – FR
- Translation of the European patent specification – AT, BE, DE, DK, ES, FR, GB, PT, SE

Corrected or revised translations

- Corrected translation of claims of the European patent application – DK, GB, SE
- Corrected translation of the European patent specification – DK, GB, SE
- Revised translation of the claims of the European patent application – FR
- Revised translation of the description and claims of the patent as amended after opposition – FR
- Revised translation of the European patent specification – ES
- Revised translation of claims and drawings of the European patent application – ES

Design documents

- Certificate of registration of an industrial design or model – RO
- Design – BD, KR
- + Design patent – US
- Industrial design or industrial model – PT
- Registered design – JP, MX
- Request for privilege – design patent or industrial model patent – BR

Abstract documents

- Abstract of Canadian patent – CA
- + Abstract of patent application available to the public – BG, FI, FR, NO, SE
- Abstract of patent specification – HU*
- Abstract of utility model application available to the public – BG

Patent abstracts published in English – KR, RU
Patent application (abstract) – DK
Utility model application (abstract) – DK

Search reports

- + International search report (published with amended claims) – WO
- + International search report (published with revised version of the front page of the pamphlet) – WO
- + Search report (published with the patent application) – EP, FR
- Search report made available to the public – RO
- Separately published search report – EP, ES, FR
- Supplementary search report – EP, WO

Other documents

- Cover pages, claims and drawings of Canadian patents – CA
- * Defensive publication – US
- Statutory invention registration – US
- * Trial voluntary protest program – US

[Appendix III follows]

⁽¹⁾ In accordance with the Law of November 26, 1990, which has been incorporated in the Intellectual Property Code of July 1, 1992, there is no longer any provision in the French law for applications for certificates of addition. Publication and grant will continue, however, until all applications for such titles have lapsed.

APPENDIX III

EXAMPLES OF PATENT DOCUMENTS ILLUSTRATING DIFFERENT TYPES OF PATENT FAMILIES^(*)

(1) SIMPLE PATENT FAMILY

“Simple patent family” means a patent family relating to the same invention, each member of which has for the basis of its “priority right” exactly the same originating application or applications.

Example:

	<u>Patent family members</u>	<u>Originating (priority) applications</u>
AT	319372 B	CH 13201/72
CH	538767 A	CH 13201/72 (first application)
DE	2323735 A1	CH 13201/72
ES	418590 A1	CH 13201/72
FR	2199213 A1	CH 13201/72
FR	2199213 B1	CH 13201/72
JP	49-68240 A2	CH 13201/72
SE	380138 B	CH 13201/72
SE	380138 C	CH 13201/72
US	3851217 A	CH 13201/72

(2) COMPLEX PATENT FAMILY

“Complex patent family” means a patent family relating to the same invention or to several inventions sharing a common aspect, each member of which has for the basis of its “priority right” at least one originating application in common with the other members of the family.

Example:

	<u>Patent family members</u>	<u>Originating (priority) applications</u>
AU	56113/73 A1	GB 24668/72 GB 56003/72
AU	469368 B2	GB 24668/72 GB 56003/72
BE	799945 A1	GB 24668/72
CA	1021320 A1	GB 24668/72 GB 56003/72
CH	593981 A	GB 24668/72 GB 56003/72
DE	2326795 A1	GB 24668/72 GB 56003/72
DK	143603 B	GB 24668/72 GB 56003/72
DK	143603 C	GB 24668/72 GB 56003/72
ES	415069 A1	GB 24668/72 GB 56003/72
FR	2185394 A1	GB 24668/72 GB 56003/72
FR	2185394 B1	GB 24668/72 GB 56003/72

^(*) For the purposes of these definitions, the expression “originating application” means a national priority application in the sense of the Paris Convention for the Protection of Industrial Property, a regional application or an international application filed under the PCT.

<u>Patent family members</u>		<u>Originating (priority) applications</u>
GB	1437088 A	GB 24668/72 (first application) GB 56003/72
JP	49-490692 A2	GB 24668/72 GB 56003/72
NL	7307311 A	GB 24668/72 GB 56003/72
SE	7604104 A	GB 24668/72 GB 56003/72
US	3941774 A	GB 24668/72 GB 56003/72
ZA	733408 A	GB 24668/72

(3) EXTENDED PATENT FAMILY

“Extended patent family” means a patent family relating to one or more inventions, each member of which has for the basis of its “priority right” at least one originating application in common with at least one other member of the family.

Example:

<u>Patent family members</u>		<u>Originating (priority) applications</u>
DE	3610333 A1	DE 3514301
EP	200874 A1	DE 3514301
JP	61-242026 A2	DE 3514301
US	4670093 A	DE 3514301 DE 3610333
EP	240776 A1	DE 3610333
JP	62-232129 A2	DE 3610333

(4) NATIONAL PATENT FAMILY

“National patent family” means a patent family relating to one or more inventions, the members of which are published by the same office and at least two of which are distinct from each other (i.e., not merely a different procedural publication stage for the same originating application – see domestic patent family), and having for their basis of “priority right” at least one originating application in common with the other members of the family. The relationship of at least two of the published patent documents in this type of patent family is a result of additions, continuations, continuations-in-part, or divisions of the original subject of invention covered by an originating application.

Example:

<u>Patent family members</u>		<u>Originating (priority) applications</u>
US	5978890 A	08/779471
US	6240494 B1	09/212410
US	6647476 B2	08/779471 (continuation-in-part) 09/212410 (division)

(5) DOMESTIC PATENT FAMILY

“Domestic patent family” means a patent family consisting solely of a single office’s different procedural publications for the same originating applications(s).

Example:

<u>Patent family members</u>		<u>Originating (priority) applications</u>
US	2002/0170031 A1	US 10/083103
US	6647543 B2	US 10/083103

(6) ARTIFICIAL PATENT FAMILY

“Artificial patent family” (intellectual or non-conventional patent family) means a patent family consisting of a collection of equivalent patent documents (i.e., documents relating to the same invention) published by different offices and at least some of which do not share a common originating application or applications (or where data relating to such a common originating application is not disclosed). The members of this type of family are determined only after intellectual investigation to have essentially the same disclosed content.

Example:

	<u>Patent family members</u>	<u>Originating (priority) applications</u>
DE	3506095 A1	DE 3506095
FR	2551451 A1	FR 8313964
GB	2170838 A	GB 8503478

APPENDIX IV

DIGITAL IMAGE FORMATS

Comparative description of digital image formats referred to in WIPO Standard [ST.67](#)

	JPEG	GIF	PNG	TIFF
Version	JPEG, JPEG2000, JPEG XR	GIF87A, GIF89A	PNG1.0, PNG1.2, joint W3C and ISO/IEC version (ISO/IEC 15948:2004)	TIFF6.0
Compression	The compression method is usually lossy although there are variations of the JPEG which are lossless. A useful property of JPEG is that the degree of lossiness can be varied by adjusting compression parameters. JPEGs can store full color information: 24 bits/pixel (16 million colors) and use aggressive, lossy compression which has a less noticeable effect on photographs. A disadvantage of lossy compression is that repeated compression and decompression reduces image quality each time.	GIF images are actually stored in two kinds of compressed formats, lossless (LZW) compression and uncompression process. The standard allows a coder to insert a "clear" code at any time in the image data. This can be used to create GIF files without LZW compression.	PNG employs lossless data compression. PNG offers better compression and more features than GIF. The format is more suitable than GIF in instances where true color imaging, alpha transparency, or a lossless data format is required. However, PNG does not support animation, so the GIF format is still used for simple animations.	TIFF stores image data in a lossless format, making it a useful method for archiving images. TIFF files can be edited and resaved without compression loss and it has an option to use LZW compression. Compression types include Raw uncompressed, PackBits, Lempel-Ziv-Welch (LZW), CCITT Fax 3 & 4.
File Extensions	The most common file extension for this format is .jpg. Others are .jpeg, .jpe, .jfif and .jif. It is also possible for JPEG data to be embedded in other file types, such as TIFF format images. Alternate formats are as follows: (1) "JPEG File Interchange Format (JFIF)" is a minimal version of the JPEG format that was deliberately simplified so that it could be widely implemented. Most image editing software programs that write to a "JPEG file" are actually creating a file in JFIF format. (2) "JPEG Interchange Format" is an interlaced "progressive" format of JPEG, in which data is compressed in multiple passes of progressively higher detail. This is used for large images that download over a slow connection, allowing for an on-screen preview before all the data has been retrieved. It is not widely supported.	.gif	PNG files nearly always use file-extension "PNG" or "png" and are assigned MIME media type "image/png".	Due to extensibility, many extensions are available. Examples include .tiff, GeoTIFF and RichTIFF. The TIFF file format is unusual in comparison to other image formats, in that it is composed of small descriptor blocks containing offsets into the file which point to the actual pixel image data. This means that incorrect offset values can cause programs to attempt to read erroneous portions of the file or attempt to read past the physical end of file. Like most other image file formats, improperly encoded packet or line lengths within the file can cause poorly written rendering programs to overflow their internal buffers. Properly written image rendering programs generally avoid such pitfalls. Furthermore, the file structure makes TIFF unsuitable for streaming (continually load and process data from a source, i.e. via the internet).
Compatibility	PC or Mac or UNIX workstation compatible. Almost all browsers can view JPEG.	All browsers can read this format.	New web browsers support the PNG format and GIF images can usually be replaced by PNG images if desired. However, Internet Explorer versions 6 and earlier do not support PNG's alpha channel transparency feature without using Microsoft-specific HTML extensions. Therefore, using standard HTML tags for PNG images in Internet Explorer can produce a look	Although it is a widely accepted standard format today, when TIFF was first introduced, its extensibility led to compatibility problems. Programmers were free to specify new options, but not all programs supported all the newly created tags. Currently, byte order can cause compatibility issues between Apple Macintosh and Windows programs, which typically use different

	JPEG	GIF	PNG	TIFF
			<p>different from that intended. MNG, a variant of PNG that supports animation, reached version 1.0 in 2001, but few applications support it. Animated GIF remains widely used as many applications are capable of creating the files, and it remains the only animated image format capable of being rendered in nearly all modern web browsers without the use of a plug-in.</p>	<p>byte order for TIFF files. Some programs offer the option of saving in Mac or Windows byte order so files can be used across platforms. TIFF format is standard in document imaging and document management systems. In this environment it is normally used with CCITT Group IV 2D compression, which supports black-and-white images. In high-volume environments, documents are typically scanned in black and white to conserve storage capacity. Because TIFF format supports multiple pages, multi-page documents can be saved as single TIFF files rather than as a series of files for each scanned page. The inclusion of the Sample Format tag in TIFF 6.0 allows TIFF files to handle advanced pixel data types making it a viable format for scientific image processing where extended precision is required.</p>
Color Spaces	<p>JPEG uses RGB color space, and supports ICC profiles, which allow the RGB values to be interpreted as sRGB and related to spectroscopically defined colors. The JPEG compression algorithm involves a color compression step, which makes use of the human visual system being less receptive to relative differences in color than to intensity values. High quality JPG does not include this color compression step and should therefore be used in all applications where exact color information is important. First, convert image from RGB into the YCbCr color space. This conversion to YCbCr is specified in the JFIF standard, and should be performed for the resulting JPEG file to have maximum compatibility. However, many "high quality" JPEG images do not apply this step and instead keep them in the sRGB color space, where each color plane is compressed and quantized separately with similar quality levels.</p>	<p>GIF is palette based: although any palette selection can be one of millions of shades, the maximum number of colors that can be used in a frame is 256. These are stored in a "palette", a table that associates each palette selection number with a specific RGB value. The limitation to 256 colors seemed reasonable at the time of GIF's creation because few people could afford the hardware to display more. Simple graphics, line drawings, cartoons, and grey-scale photographs typically need fewer than 256 colors. In addition, one of the colors in the palette can optionally be set as fully transparent. GIF stores colors as RGB values and does not support ICC profiles. RGB colors, however, are device dependent, which means that the same GIF image will be displayed with slightly different colors on different devices. The exact color values are not defined. This makes GIF unsuitable for use in color managed environments or in applications where exact color values matter. In the early days of graphical web browsers, graphics cards with 8-bit buffers (allowing only 256 colors) were common and it was fairly common to make GIF images using the web safe palette</p>	<p>PNG supports palette-based colors (24-bit, RGB, sRGB or CIE x,y,z color model), greyscale or RGB images. As PNG was not designed for printing purposes it does not support the CMYK, or other print-related color models. As PNG supports embedded ICC-profiles, it is particularly suited for use in color managed environments and for applications where exact color specification matters.</p>	<p>Grayscale, Pseudocolor (any size), RGB, YCbCr, CMYK, and CIELab.</p>

	JPEG	GIF	PNG	TIFF
		<p>which was based on the common subset of the standard Windows and Macintosh palettes. This ensured predictable display but severely limited the choice of colors. Now that 24-bit graphics cards are the norm, optimized palettes make less sense when creating images, though there are still many sites on web design that advice the use of the web safe palette.</p>		
Suggested restriction	<p>The primary disadvantage with the JPEG format apart from its lack of animation support is that its compression method may actually loose information. JPEG is facing new limitations due to the evolution of technology; therefore, JPEG must advance with current trends. JPEG 2000 follows initial compression that is able to decompress into a wide variety of methods, such as, image decompression: (1) maximum quality and resolution, (2) at a lower rate with optimal rate-distortion performance, (3) at reduced resolution with optimal performance, (4) for only spatial regions of the image, and (5) for only a number of selected components. The last alternative is to extract information from the codec stream to create a new codec stream with different quality/ resolution without need of decompressing the original codec stream. JPEG does not fit every compression need. Images containing large areas of a single color do not compress well. JPEG will introduce "artifacts" into such images that are visible against a flat background, making them considerably worse in appearance than if conventional lossless compression method was used. JPEG can be slow when implemented only in software. If fast decompression is required, hardware-based JPEG solutions are best. JPEG is not trivial to implement. Writing a JPEG encoder/decoder is complex. JPEG is not supported by very many file formats. The formats that do support JPEG are all fairly new and can be expected to be revised at frequent intervals. An interlaced/progressive image increases file size. Can't index colors to set palettes. Doesn't support</p>	<p>The main disadvantage of the GIF format is that it is lossy. This means some image detail is lost when converted to JPEG format. Not good at compressing complex, natural images. Not suitable for large file sized pictures (about 400 by 400 pixel), because the compression algorithm delivers a big data (2-3 times bigger than JPEG does). Requires decompression on the part of any program that uses it. Can't control the rate of compression. Because of color limitations, not suitable for continuous tone images. Only supports up to 256 colors (this is known as 8-bit color and is a type of indexed color image), whereas computers have up to sixteen million colors.</p>	<p>Stores only one picture per data therefore cannot be animated. Not good at compressing complex, natural images. Does not compress well. Not yet widely used (only recently available as a native format in browsers, meaning it can only be read by a small audience). Incompatible with some older browsers.</p>	<p>Difficult to store, large file format. It is difficult to write a fully compliant TIFF decoder you may see some programs that will not load certain TIFF files but will load others. Files for photo images are large. Uncompressed TIFF files are about the same size in bytes as the image size in memory. The greatest disadvantage is that TIFF offers only one compression option which is not as efficient (both in file size and the amount of time it takes to compress) as other file formats now support.</p>

	JPEG	GIF	PNG	TIFF
	transparency. Lossy compression. 24-bit color doesn't display consistently across all hardware. Blockiness visible in images with high compression ratios is a general phenomenon in JPEG images. The human visual system is very acute to sharp edges such as those at the block boundaries.			

Suggested Usage of image types by Offices according to WIPO Standard [ST.67](#)

Image type	Suggested main format (for internal storage)		
	PNG	JPEG	TIFF
b/w images	++	+	+
greyscale images	++	+	+
color images	++	+	+

- + = suitable
- ++ = optimal format

[End of Appendix and of Glossary]