

Patent Cooperation Treaty (PCT) Working Group

Ninth Session
Geneva, May 17 to 20, 2016

REVISION OF WIPO STANDARD ST.14

Document prepared by the International Bureau

1. This document contains a draft revision of WIPO Standard ST.14 to be presented for consideration and approval to the reconvened fourth session of the Committee on WIPO Standards (CWS), scheduled to take place from March 21 to 24, 2016 (document CWS/4BIS/3).
2. The International Bureau will report orally to the Working Group on the outcome of the discussion of document CWS/4BIS/3 at the CWS.
3. *The Working Group is invited to note the contents of the present document.*

[Document CWS/4BIS/3 follows]

Committee on WIPO Standards (CWS)

Reconvened Fourth Session Geneva, March 21 to 24, 2016

REVISION OF WIPO STANDARD ST.14

Document prepared by the Secretariat

INTRODUCTION

1. The Committee on WIPO Standards (CWS), at its second session held in April-May 2012, agreed to create Task No. 45 for the revision of WIPO Standard ST.14 "Recommendation for the inclusion of references cited in patent documents". The CWS also decided to establish ST.14 Task Force to handle such revision. (See paragraphs 28 to 31 of document CWS/2/14).
2. The above-mentioned Task No. 45 has two components:
 - (a) Prepare a proposal for the revision of category codes provided in paragraph 14 of WIPO Standard ST.14 taking into account comments and draft proposals stated in paragraphs 7 and 10 to 14 of document CWS/2/6.
 - (b) Study the convenience of revising the recommendations for the identification of non-patent literature citations in order to bring WIPO Standard ST.14 in line with the International Standard ISO 690:2010 (Information and documentation – Guidelines for bibliographic references and citations to information resources). If the revision is considered convenient, prepare the corresponding proposal.
3. At the fourth session of the CWS held in May 2014, the International Bureau presented the status report on the revision of WIPO Standard ST.14 (see document CWS/4/5). The CWS was requested to take a decision concerning the convenience of the proposed replacement of the category "X" with categories "N" and "I", taking into consideration benefits and disadvantages of this replacement indicated in paragraph 9 of document CWS/4/5.

4. The CWS informally agreed to hold the first component of Task No. 45 in abeyance. The Task Force was requested to focus on the second component of the Task, i.e. to study the convenience of revising the recommendations for the identification of non-patent literature citations in order to bring WIPO Standard ST.14 in line with the International Standard ISO 690:2010 (Information and documentation – Guidelines for bibliographic references and citations to information resources). It was decided to revisit the first component of the Task once the second component is completed.

TASK FORCE DISCUSSIONS

5. Since May 2014, the ST.14 Task Force held a meeting in Geneva, in June 2015, seven discussion rounds on the second component of Task No. 45, two rounds of discussion on the first component (category codes) and final draft revised WIPO Standard ST.14.

Category codes

6. Within the framework of the first component of Task No. 45, the Task Force discussed the revision of the definitions of categories “E”, “O” and “P”, and the proposal to replace the category “X” with new categories “N” and “I”. (See document CWS/2/6, paragraphs 5 to 9 of document CWS/3/4, and paragraphs 7 to 12 of document CWS/4/5.)

7. With respect to the category “X”, after careful consideration of benefits and disadvantages of the proposed replacement, the Task Force members concluded that it would be advisable to keep the category “X” unchanged and not to add new categories “N” and “I”.

8. The CWS agreed at its third session, held in April 2013, that the combination of categories “E” and “O” with other categories should be optional (see paragraph 35 of document CWS/3/14), but, when discussing this issue, the Task Force found it possible to provide stronger recommendations with respect to the category “O”. The Task Force members agreed that the Category “O” should always be accompanied by one of the categories “X”, “Y” or “A” in order to provide sufficient information regarding the relevance of the reference cited (see paragraph 20 of the draft revised WIPO Standard ST.14).

9. With respect to the category “E”, the Task Force could not reach the consensus due to significant differences in IPO practices, and the CWS is requested to consider the following three options for the definition of this category:

- (a) Remove “but” and not introduce any recommendations with respect to combining this category with others, to read:

Category “E”: Earlier patent document as defined in Rule 33.1(c) of the Regulations under the PCT, ~~but~~ published on or after the international filing date.

- (b) Remove “but” and include a recommendation that the combination of category “E” with other categories is optional (“may”), to read:

*Category “E”: Earlier patent document as defined in Rule 33.1(c) of the Regulations under the PCT, ~~but~~ published on or after the international filing date. **Code “E” may be accompanied by one of the categories “X”, “Y” or “A”***

- (c) Remove “but” and include a stronger, but still optional, recommendation to use the category “E” in combination with other categories (“should preferably”), to read:

*Category “E”: Earlier patent document as defined in Rule 33.1(c) of the Regulations under the PCT, ~~but~~ published on or after the international filing date. **Code “E” should preferably be accompanied by one of the categories “X”, “Y” or “A”***

10. The attached draft revised Standard reflects the third option provided in paragraph 9 (c), above, as it is in line with the guidance received from the CWS (see paragraph 8, above) and enjoyed a consensus within the Task Force at some point of the Task Force discussion.

11. The Task Force also prepared a revised definition of category “P” to extend its scope to cover documents published prior to the (international) filing date but on or after the priority date claimed in the application.

Non patent literature

12. Following the decision mentioned in paragraph 4, above, the ST.14 Task Force prepared a proposal for revision of recommendations for identification of non-patent literature citations. The main changes proposed by the Task Force are the following:

- (a) include recommendations for citing documents having multiple authors;
- (b) include recommendations for citing documents produced by Standards Defining Organizations;
- (c) include recommendations to indicate the format of publication content, e.g., text, audio, video or multimedia;
- (d) provide detailed recommendations for indicating the source and location of the cited document;
- (e) provide recommendations for non-patent literature citations in a language other than English or other than the language of the search report; and
- (f) certain editorial changes.

DRAFT REVISED WIPO STANDARD ST.14

13. Draft revised WIPO Standard ST.14 prepared by the Task Force is presented for consideration and approval by the CWS, as reproduced in the Annex to the present document.

14. *The CWS is invited to:*

(a) note the content of the present document;

(b) consider three options for the definition of the category “E”, as provided in paragraph 9, above, and take a decision which of them should be included in the revised WIPO Standard ST.14; and

(c) consider and approve the proposed revision of WIPO Standard ST.14, as reproduced in the Annex to the present document.

[Annex follows]

STANDARD ST.14

**RECOMMENDATION FOR THE INCLUSION OF REFERENCES
CITED IN PATENT DOCUMENTS**

Editorial Note prepared by the International Bureau

Articles published in scientific and technical journals often contain a certain number of references to earlier publications. Patent applications also very often contain (e.g., in the descriptions of the inventions) references to earlier patents or patent applications, or other industrial property rights. In the course of the procedure for obtaining a patent, patent examiners cite one or several patent documents or other documents which describe similar or closely related technical solutions to the one described in a patent application being examined, in order to illustrate the prior art.

Some industrial property offices, but not all of them, bring these cited references to the attention of the general public, by including them in a published patent document. The present Recommendation is intended to generalize the inclusion in patent documents of "reference(s) cited" during the patent examination procedure, to standardize the way in which the said references should be presented in the patent document and to recommend a preferred place, where the "reference(s) cited" should appear.

STANDARD ST.14

RECOMMENDATION FOR THE INCLUSION OF REFERENCES CITED IN PATENT DOCUMENTS

*Revision adopted by the SCIT Standards and Documentation Working Group
at its ninth session on February 21, 2008*

Proposal presented by the ST.14 Task Force for consideration and adoption at the CWS/4BIS

INTRODUCTION

1. Articles published in scientific and technical journals often contain a certain number of references to earlier publications. Patent applications also very often contain (e.g., in the descriptions of the inventions) references to earlier patents or patent applications, or other industrial property rights. In the course of the procedure for obtaining a patent, patent examiners cite one or several patent documents or other documents which describe similar or closely related technical solutions to the one described in a patent application being examined, in order to illustrate the prior art.

2. Applications for patents are examined by a governmental authority or intergovernmental authority which, as a rule, is an industrial property office. A patent for invention is granted if the application complies with the formal requirements and, depending on whether and to what extent an "examination as to substance" is carried out, if the invention fulfills the substantive requirements of the respective patent law.

3. When patent applications are examined or search reports are established therefor, a certain number of patent documents and other documents might be cited as references to illustrate the prior art by the industrial property office (including a regional Office, and an International Searching Authority under the PCT).

4. Some industrial property offices, but not all of them, bring these cited references to the attention of the general public, by including them in a published patent document. The present Recommendation is intended to generalize the inclusion in patent documents of "reference(s) cited" during the patent examination procedure, to standardize the way in which the said references should be presented in the patent document and to recommend a preferred place, where the "reference(s) cited" should appear.

DEFINITIONS

5. For the purposes of this Recommendation, the term "patents" includes such industrial property rights as patents for inventions, plant patents, design patents, inventors' certificates, utility certificates, utility models, patents of addition, inventors' certificates of addition, and utility certificates of addition.

6. For the purposes of this Recommendation, the expression "patent applications" or "applications for patents" includes applications for patents for inventions, plant patents, design patents, inventors' certificates, utility certificates, utility models, patents of addition, inventors' certificates of addition, and utility certificates of addition.

7. For the purposes of this Recommendation, the expression "patent documents" includes patents for inventions, plant patents, design patents, inventors' certificates, utility certificates, utility models, patents of addition, inventors' certificates of addition, utility certificates of addition, and published applications therefor.

~~Applications for patents are examined by a governmental authority or intergovernmental authority which, as a rule, is an industrial property office. A patent for invention is granted if the application complies with the formal requirements and, depending on whether and to what extent an "examination as to substance" is carried out, if the invention fulfills the substantive requirements of the respective patent law.~~

~~When patent applications are examined or search reports are established therefor, a certain number of patent documents and other documents might be cited as references to illustrate the prior art by the industrial property office (including a regional Office, and an International Searching Authority under the PCT).~~

REFERENCES

8. References to the following Standards are of relevance to this Recommendation:

- | | |
|------------------------------------|--|
| WIPO Standard ST.1 | Recommendation Concerning the Minimum Data Elements Required to Uniquely Identify a Patent Document; |
| WIPO Standard ST.2 | Standard Manner for Designating Calendar Dates by Using the Gregorian Calendar; |

WIPO Standard ST.3	Recommended Standard on Two-Letter Codes for the Representation of States, Other Entities and Intergovernmental Organizations;
WIPO Standard ST.9	Recommendation Concerning Bibliographic Data on and Relating to Patents and SPCs;
WIPO Standard ST.13	Recommendation for the Numbering of Applications for Industrial Property Rights (IPRs);
WIPO Standard ST.16	Recommended Standard Code for the Identification of Different Kinds of Patent Documents;
WIPO Standard ST.20	Recommendations for the Preparation of Name Indexes to Patent Documents;
International Standard ISO 4:1997	"Information and Documentation – Rules for the abbreviation of title words and titles of publications";
International Standard ISO 690:2010	1987 "Documentation – Bibliographic references – Content, form and structure"; "Information and documentation – Guidelines for bibliographic references and citations to information resources"
International Standard ISO 690 2:1997	"Information and documentation – Bibliographic references – Part 2: Electronic documents or parts thereof";
International Standard ISO 999:1996	"Information and documentation – Guidelines for the content, organization and presentation of indexes".

RECOMMENDATION

9. It is recommended that industrial property offices should include in their granted patents and in their published patent applications all relevant references cited in the course of a search or examination procedure.
10. It is recommended that the "List of references cited" be identified by INID code (56).
11. It is recommended that the "List of references cited" appear either
 - (a) on the first page of the patent document or
 - (b) in a search report attached to the patent document.
12. It is recommended that if the "List of references cited" appears in a search report attached to the patent document, (e.g., under the PCT procedure) this should be indicated on the first page of the patent document.
13. It is recommended that the documents in the "List of references cited" be organized in a sequence suitable to the users' needs, this sequence being clearly illustrated in the presentation of the said list. The following is an example of a sequence of documents cited:
 - (a) domestic patent documents;
 - (b) foreign patent documents;
 - (c) non-patent literature.

In search reports, however, the documents may be cited in the order of their pertinence.

14. Identification of any document or announcement cited, and available in paper form or in a page-oriented presentation mode (e.g., facsimile, microform, etc.) shall be made by indicating the following elements in the order in which they are listed:

- (a) *In the case of a patent document:*
 - (i) the industrial property office that issued the document, by the two-letter code (WIPO Standard [ST.3](#));
 - (ii) the number of the document as given to it by the industrial property office that issued it (for Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document);
 - (iii) the kind of document, by the appropriate symbols as indicated on the document under WIPO Standard [ST.16](#) or, if not indicated on that document, as provided in that Standard, if possible;
 - (iv) ⁽¹⁾the name of the patentee or applicant (in capital letters and, where appropriate, abbreviated)⁽³⁾;

(v) ⁽²⁾the date of publication of the cited patent document (using four digits for a year designation according to the Gregorian Calendar) or, in case of a corrected patent document, the date of issuance of the corrected patent document as referred to under INID code (48) of WIPO Standard [ST.9](#) and, if provided on the document, the supplementary correction code as referred to under INID code (15);

(vi) ⁽¹⁾where multiple renderings of the same document are published (e.g., PDF and HTML), an indication of the location and format (e.g., PDF) of the cited document;

(vii) ⁽¹⁾paragraph numbers, sentence numbers and line numbers to describe the specific location of the cited material within a document if they are available;

(viii) ⁽¹⁾claim numbers, figure numbers, chemical formula numbers, mathematical formula numbers, table heading numbers, gene sequence numbers, and computer program listing numbers if available;

(ix) ⁽¹⁾if no paragraph numbers exist, or if the paragraph is long, use page numbers, column numbers, and line numbers (if available) to describe the specific location of the cited material within a document;

(x) ⁽¹⁾specific headings within the document structure such as *Best Mode of Performing the Invention* or *Industrial Applicability* can be indicated if page, paragraph, and line numbers are not available;

(xi) ⁽¹⁾specific passages of the text can be indicated if the format of the document includes pagination or an equivalent internal referencing system, or by the first and last words.

The following examples illustrate the citation of a patent document according to paragraph (a), above:

- Example 1: JP 10-105775 A (NCR INTERNATIONAL INC) 24 April 1998, paragraphs [0026] to [0030].
- Example 2: DE 3744403 A1 (JOSEK, A) 1991.08.29, page 1, abstract.
- Example 3: SE 504901 C2 (SWEP INTERNATIONAL AB) 1997-05-26, claim 1.
- Example 4: US 5635683 A (MCDERMOTT, RM et al.) June 3, 1997, column 7, lines 21 to 40.
- Example 5: ES 2156718 A1 (AGQ SL) 1 July 2001, the whole document.
- Example 6: WO97/28071 A1 corrected version (GENERAL SIGNAL CORP) available 1998-05-07, page 3 lines 20-28.
- Example 7: WO 2007/077970 A1 (MEIJI DAIRIES CORP) 2007.07.12, paragraph [0019] from “[14] Another aspect ... assumes 30%-60%”.

(b) *In the case of a published intellectual property office document or announcement, e.g., registered industrial design, registered trademark, published pending trademark and registered copyright documents, not specifically provided for elsewhere under paragraph 142:*

(i) the intellectual property office that issued the document or announcement, by the two-letter code (WIPO Standard [ST.3](#));

(ii) the serial number of the application or registration or the number of the document or announcement as given to it by the intellectual property office that issued it;

(iii) the type of intellectual property office document or announcement (e.g., registered industrial design, trademark registration, trademark application, copyright registration, etc.);

(iv) ⁽¹⁾the name of the applicant or owner (in capital letters and, where appropriate, abbreviated);⁽³⁾

(v) where applicable, the title of the gazette in which the application or registration was announced and the issue designation of the gazette;

(vi) the date of publication using four digits for the year designation (where year, month and day are available, the provisions of WIPO Standard [ST.2](#) should be applied);

(vii) ⁽¹⁾where applicable, the location of relevant passages or figures within the document or announcement;

(viii) if considered necessary, the standard identifier and the number assigned to the item, e.g., ISSN 0250-7730.

The following examples illustrate the citation of a document or announcement according to paragraph (b), above:

- Example 1: WO DM/032099, Industrial Design (POWER-PACKER EUROPA B.V.) 1995-04-28, International Designs Bulletin February 1995, No. 2, pages 752 and 753, figures 1.1 and 1.3, ISSN 0250-7730.
- Example 2: DE M 94 01 995, Geschmacksmuster, Geschmacksmusterblatt, Heft 15, 1994.08.10, S. 3810.
- Example 3: US TXu-499-733, copyright registration, ELSTON, William J, 1991.12.16.
- Example 4: ES M 0279288, trademark registration (SUDNIF SA) 2001-05-16.

(c) *In the case of a monograph or parts thereof, e.g., contributions to conference proceedings, etc.:*

- (i) the name of the author (in capital letters)⁽³⁾; in the case of a contribution, the name of the author of the contribution; **In case of multiple authors, preferably, all names should be entered, alternatively the name of the first author should be entered followed by "et al."**;
- (ii) in the case of a contribution, the title of the contribution followed by "In:";
- (iii) the title of the monograph; in the case of a contribution, the designation of the editorship;
- (iv) in the case of conference proceedings, the conference title, date, number, place (if available);
- (v) the number of the edition;
- (vi) ⁽¹⁾the place of publication and the name of the publisher (where only the location of the publisher appears on the monograph, then that location shall be indicated as the place of publication; in the case of company publications, the name and postal address of the company);
- (vii) the year of publication, by four digits⁽⁴⁾;
- (viii) if **applicable available**, the standard identifier and number assigned to the item, e.g., ISBN 2-7654-0537-9, ISSN 1045-1064. It should be noted that these numbers may differ for the same title in the print and electronic versions;
- (ix) ⁽¹⁾the location within the monograph by indicating the pages, columns, lines or paragraph numbers where the relevant passages appear, or the relevant figures of the drawings (**if where** applicable).

The following examples illustrate the citation of a monograph (Example 1), as well as of published conference proceedings (Example 2), according to paragraph (c), above:

- Example 1: WALTON, Herrmann. Microwave Quantum Theory. London: Sweet and Maxwell, 1973, Vol.2, ISBN 5-1234-5678-9, pages 138 to 192, especially pages 146 to 148.
- Example 2: SMITH et al. Digital demodulator for electrical impedance imaging. In: IEEE Engineering in Medicine & Biology Society, 11th Annual Conference. Edited by Y. Kim et al. New York: IEEE, 1989, Vol.6, p. 1744-5.

(d) *In the case of an article published in a periodical or other serial publication:*

- (i) the name of the author (in capital letters)⁽³⁾; **In case of multiple authors, preferably, all names should be entered, alternatively the name of the first author should be entered followed by "et al."**;
- (ii) the title of the article (where appropriate, abbreviated or truncated) in the periodical or other serial publication;
- (iii) the title of the periodical or other serial publication (abbreviations conforming to generally recognized international practice may be used; see "[PCT Minimum Documentation - List of Periodicals](#)", Part 4);
- (iv) the location within the periodical or other serial publication by indicating date of issue by four digits for the year designation, issue designation, pagination of the article (where year, month and day are available, the provisions of WIPO Standard [ST.2](#) should be applied);
- (v) **where applicable if available**, the standard identifier and number assigned to the item, e.g., ISBN 2-7654-0537-9, ISSN 1045-1064. It should be noted that these numbers may differ for the same title in the printed and electronic versions;
- (vi) ⁽¹⁾where applicable, the relevant passages of the article and/or the relevant figures of the drawings.

The following example illustrates the citation of an article published in a periodical or other serial publication according to paragraph (d), above:

Example: DROP, JG. Integrated Circuit Personalization at the Module Level. IBM tech. dis. bull. October 1974, Vol.17, No.5, pages 1344 and 1345, ISSN 2345-6789.

(e) *In the case of an abstract not published together with the full text document which serves as its basis:*

the identification of the document containing the abstract, the abstract and the full text document shall be made on the basis of the bibliographic data available in respect thereof.

The following examples illustrate the citation of an abstract according to paragraph (e), above:

Example 1: SHETULOV, DI. Surface Effects During Metal Fatigue. Fiz.-Him. Meh. Mater. 1971, 7(29), 7-11 (Russ.). Columbus, OH, USA: Chemical abstracts, Vol. 75, No. 20, 15 November 1971, page 163, column 1, abstract No. 120718k.

Example 2: JP 3-2404 A (FUDO). Patent abstracts of Japan, Vol. 15, No. 105 (M-1092), 1991.03.13 (abstract).

Example 3: SU 1374109 A (KARELIN, VI) 1988.02.15. (abstract), Soviet Patent Abstracts, Section E1, Week 8836, London: Derwent Publications Ltd., Class S, AN 88-255351.

(f) *In the case of a document produced by a Standards Defining Organization (SDO), e.g., ISO, ITU, ETSI:*

(i) if available, the name(s) of the author (in capital letters)⁽³⁾. In case of multiple authors, preferably, all names should be entered, alternatively the name of the first author should be entered followed by "et al.";

(ii) if available, the title;

(iii) the full name, or alternatively, the well-known acronym of the SDO in capital letters, including, if available, the relevant working group;

(iv) the unique standard reference number as used by the SDO, potentially including the id, the version, etc.;

(v) the date of publication using four digits for the year designation (where year, month and day are available, the provisions of WIPO Standard ST.2 should be applied);

(vi) if available, the standard identifier and number assigned to the item, e.g., ISSN 2017-1721. It should be noted that these numbers may differ for the same title in the printed and electronic versions;

(vii) where applicable, the location of relevant paragraphs, passages or figures within the document.

Depending on the publication procedures applied by the SDO, it may not be possible to follow the order of elements listed above.

The following examples illustrate the citation of documents produced by SDOs, according to paragraph (f), above:

Example 1: IP Multimedia Call Control Protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) Stage 3. 3rd GENERATION PARTNERSHIP PROJECT. TS 24.403 V1.8.1; 2007-12-01

alternatively: IP Multimedia Call Control Protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) Stage 3. 3GPP TS24.403 V1.8.1; 2007-12-01

Example 2: SPENCER, M et al. IAX: Inter-Asterisk eXchange. Version 2. INTERNET ENGINEERING TASK FORCE. RFC 5456; 2010-02-27; ISSN: 2070-1721

alternatively: SPENCER, M et al. IAX: Inter-Asterisk eXchange. Version 2. IETF RFC 5456; 2010-02-27; ISSN: 2070-1721

Example 3: EL-KHATIB, K. et al. Multiplexing Scheme for RTP Flows between Access Routers. INTERNET ENGINEERING TASK FORCE. draft-ietf-avt-multiplexing-rtp-01; 1999-06-24

alternatively: EL-KHATIB, K. et al. Multiplexing Scheme for RTP Flows between Access Routers. IETF draft-ietf-avt-multiplexing-rtp-01; 1999-06-24

Example 4: GILADI, Alex et al. Segment Integrity and Authenticity for DASH; INTERNATIONAL ORGANISATION FOR STANDARDISATION. ISO/IEC JTC1/SC29/WG11 MPEG2012/m24716; 2012-05-03

Example 5: HING-KAM LAM, ALCATEL-LUCENT, G8052 Virtual Meeting #66: INTERNATIONAL TELECOMMUNICATION UNION, ITU Study Group 15, Working Party 3, Question(s): 14/15; 201-07-062

15. Identification of an electronic document, e.g., retrieved from a CD-ROM, the Internet or from an online database accessible outside the Internet, shall be made in the manner indicated in subparagraphs 12.14(a), (b), (c), (d), (e) and (f), above, as far as possible and completed, as suggested in the items below.

Attention is drawn to the following items which are modeled after guidelines provided by the International Organization for Standardization's established Standard ISO 690-2 "Information and documentation — Bibliographic references — Part 2: Electronic documents or parts thereof". These items should be provided in the locations indicated:

(i) type of medium in square brackets [] after the title of the publication or the designation of the host document, e.g., [online] [CD-ROM] [disk] [magnetic tape]. If desired, the type of publication (e.g., monograph, serial, database, electronic mail, computer program, bulletin board) may also be specified in the type of medium designator;

(ii) format of publication content in square brackets [] after the type of medium, e.g., [text], [audio], [video], [multimedia]. This element may be omitted for text publications as they constitute the majority of documents cited. [Text] is, therefore, considered to be the default format;

(iii) date when the document was retrieved from the electronic media in square brackets [], following the date of publication [retrieved on 1998-03-04];

(iv) identification of the source of the document (e.g., name of internet platform, online database, CD-ROM series) using the preceded by words "Retrieved from", followed by the identifier (e.g., internet address, accession number in an online database, or number of the document within a CD-ROM) allowing retrieval of this document from the source. This identifier is optional if the citation contains other elements that already specify the location of the document in the source. Similarly, for documents retrieved from the Internet, the identification of the source is optional, provided the location identifier already specifies the source, and its address where applicable; Both source and identifier should be enclosed in a single pair of triangular brackets < ... >. This item will precede the citation of the relevant passages;

(v) reference to the unique Digital Object Identifier (DOI) number, or other unique identification number, in triangular brackets, e.g., <doi:10.1006/jmbi.1998.2354>, if known available;

(vi) if available and considered necessary, the standard identifier and number assigned to the item, e.g., ISBN 2-7654-0537-9, ISSN 1045-1064. It should be noted that these numbers may differ for the same title in the printed and electronic versions;

(vii) where multiple renderings of the same document are published (e.g., PDF and HTML), an indication of the format (e.g., paper, PDF) and the location of the cited document;

(viii) use paragraph numbers, sentence numbers and line numbers (if available) to describe the specific location of the cited material within an electronic document;

(ix) claim numbers, figure numbers, chemical formula numbers, mathematical formula numbers, table heading numbers, gene sequence numbers, and computer program listing numbers if available;

(x) specific headings within the document structure such as *Best Mode of Performing the Invention* or *Industrial Applicability* can be indicated if page, paragraph, and line numbers are not available in a cited patent document in electronic format;

(xi) specific passages of the text can be indicated if the format of the document includes pagination or an equivalent internal referencing system, or by their first and last words.

Office copies of an electronic document should be retained if the same document may not be available for retrieval in the future. This is especially important for sources such as the Internet and online databases.⁽⁵⁾

If an electronic document is also available in paper form or in a page-oriented presentation mode (see paragraph 12.14, above) it does not need to be identified as an electronic document, unless it is considered desirable or useful to do so.

The following examples illustrate citations of electronic documents:

Examples 1-4: Documents retrieved from online databases outside the Internet

Example 1: SU 1511467 A (BRYAN MECH) 1989-09-30 (abstract) *World Patents Index* [database online]. Derwent Publications, Ltd. [retrieved on 1998-02-24]. Retrieved from: <Questel, DW9016, Accession No. 90-121923>.

- Example 2: DONG, XR. Analysis of patients of multiple injuries with AIS-ISS and its clinical significance in the evaluation of the emergency managements. *Chung Hua Wai Ko Tsa Chih*, May 1993, Vol. 31, No. 5, pages 301-302, (abstract) Medline [online]: United States National Library of Medicine [retrieved on 24 February 1998]. Retrieved from: <Dialog. Medline Accession no. 94155687, Dialog Accession No. 07736604>.
- Example 3: JENSEN, BP. Multilayer printed circuits: production and application II. *Elektronik*, June-July 1976, No. 6-7, pages 8, 10,12,14,16. (abstract) INSPEC [online]. London, U.K.: Institute of Electrical Engineers [retrieved on 1998-02-24]. Retrieved from: <STN International, USA. Accession No. 76:956632>.
- Example 4: JP 3002404 A (Tamura Toru) 1991-03-13 (abstract). [online] [retrieved on 1998-09-02]. Retrieved from: <EPOQUE PAJ Database>.
- Examples 5-175: Documents retrieved from the Internet
- Example 5: (Electronic patent document – not page based) – two examples
- 5.1. WO 2004/091307 A2 (ADVANCED BIONUTRITON CORP) 2004-10-28, paragraphs [0068], [0069]; examples 2,6.
- 5.2. GB 2,432,062 A (GE INSPECTION TECHNOLOGY LP) 2007.05.09, Detailed Description, third paragraph beginning 'Referring to Figure 2'.
- Example 6: (Electronically registered Intellectual Property – other than patent documents)
- HU D9900111 Industrial Design Application, (HADJDÚTEJ TEJIPARI RT, DEBRECEN) 2007-07-19, [database online], [retrieved on 1999-10-26] Retrieved from the Industrial Design Database of the Hungarian Patent Office, using Internet <URL: http://elajstrom.hpo.hu/?lang=EN>.
- Example 7: (Entire Work – Book or Report)
- WALLACE, S, and BAGHERZADEH, N. Multiple Branch and Block Prediction. *Third International Symposium on High-Performance Computer Architecture* [online], February 1997 [retrieved on 2007-07-18]. Retrieved from the Internet: <URL: IEEE Explore Digital Library, http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?tp=&arnumber=569645&isnumber=12370 <doi:10.1109/HPCA.1997.569645>.>
- Example 8: (Part of Work – chapter or equivalent designation)
- National Research Council, Board on Agriculture, Committee on Animal Nutrition, Subcommittee on Beef Cattle Nutrition. Nutrient Requirements of Beef Cattle [online]. 7th revised edition. Washington, DC: National Academy Press, 1996 [retrieved on 2007-07-19]. Retrieved from the Internet: <URL: the National Academies Press, http://books.nap.edu/openbook.php?record_id=9791&page=24> Chapter 3, page 24, table 3-1, ISBN-10: 0-309-06934-3.
- Example 9: (Electronic Serial – articles or other contributions)
- AJTAI, Miklos. Generating Hard Instances of Lattice Problems. *Electronic Colloquium on Computational Complexity, Report TR96-007* [serial online], [retrieved on 1996-01-30]. Retrieved from the Internet: <the Electronic Colloquium on Computational Complexity forum, URL: http://eccc.hpi-web.de/pub/eccc/reports/1996/TR96-007/index.html>.
- Example 10: OWEN, RW et al. Olive-oil consumption and health: the possible role of antioxidants. *Lancet Oncology*, Vol 1, No. 2, 1 October 2000 , pp. 107-112 [online], [retrieved on 2007-07-18]. Retrieved from the Internet: <URL: http://www.ingentaconnect.com/content/els/14702045/2000/00000001/00000002/art0001> <doi:10.1016/S1470-2045(00)00015-2>
- Example 11: (Electronic bulletin boards, message systems, and discussion lists – Entire System)
- BIOMET-L (A forum for the Bureau of Biometrics of New York) [bulletin board online]. Albany (NY): Bureau of Biometrics, New York State Health Department, July, 1990 [retrieved 1998-02-24]. Retrieved from the Internet: <listserv@health.state.ny.us>, message: subscribe BIOMET-L your real name>.

- Example 12: (Electronic bulletin boards, message systems, and discussion lists – Contributions)
- PARKER, Elliott. Re: citing electronic journals. In PACS-L (Public Access Computer Systems Forum) [online]. Houston (TX): University of Houston Libraries, November 24, 1989; 13:29:35 CST [retrieved on 1998-02-24]. Retrieved from ~~the Internet~~:
<URL: telnet://bruser@a.cni.org>.
- Example 13: (Electronic mail)
- Plumb design of a visual thesaurus. *The Scout Report* [online]. 1998, vol. 5 no. 3 [retrieved on 1998.05.18]. Retrieved from Internet electronic mail: <listserv@cs.wisc.edu>, subscribe message: info scout-report. Retrieved from the Internet: <URL: http://scout.wisc.edu/Reports/ScoutReport/1998/scout-980515.html#13> ISSN: 1092-3861.
- Example 14: (Product Manual/Catalogue or other information obtained from a Web-site)
- Corebuilder 3500 Layer 3 High-function Switch. Datasheet [online]. 3Com Corporation, 1997 [retrieved on 1998-02-24]. Retrieved from ~~the Internet~~:
<URL: http://www.3com.com/products/dsheets/400347.html>.

Example 15: (Video)

Sapolsky, Robert. Introduction to Human Behavioral Biology. YouTube [online] [video]. Stanford : University of Stanford, March 29, 2010 [retrieved on 2015.09.15]. Retrieved from <https://www.youtube.com/watch?v=NNnIGh9g6fA>

Example 16: (Audio)

Takahashi, Rie; Miller, Jeffrey. Human ThyA: Original chord and rhythm assignment. Gene2music examples [online] [audio]. Los Angeles : UCLA. Faculty of Microbiology, Immunology & Molecular Genetics [retrieved on 2015.09.16]. Retrieved from <http://www.mimg.ucla.edu/faculty/miller_jh/gene2music/AUDIO/ThyAhomosapiens.mid>

Example 17: (Multimedia)

Destination Direct Flight Planning. [online] [multimedia]. Deltatec, February 1, 1996. Retrieved from
<http://web.archive.org/web/20030707191020/http://www.flightplan.com/DD_DEMO.EXE>

Examples 185 and 196: Documents retrieved from CD-ROM products

- Example 158: JP 08000085 A (TORAY IND INC), (abstract) [CD-ROM], 1996-05-31. Retrieved from <Patent Abstracts of Japan> [CD-ROM].
- Example 196: HAYASHIDA, O et al. Specific molecular recognition by chiral cage-type cyclophanes having leucine, valine, and alanine residues. [CD-ROM]. Retrieved from <Chemical Abstracts, CAS Abstract 124:9350> *Tetrahedron* 1955, Vol. 51 (31), p. 8423-36. In: ~~Chemical Abstracts [CD-ROM]. CAS Abstract 124:9350.~~

16. For non-patent literature citations in a language other than English, it is recommended that an official translation into English, if one exists and it is available, be provided in round brackets after the original (non-English) reference. For the purposes of this Standard, an "official translation" means an existing rendering of the original language name or title in English coming from the same source as the citation and useful for identifying and retrieving the relevant document.

17. In case an official translation into English is not available for some elements of the original citation, an informal translation into English for those elements may optionally be provided after all elements of any official translation. Any informal translation should be preceded by the text "non-official translation".

18. In order to facilitate locating a copy of the cited non-patent document by foreign users and possible translations of the reference, it is recommended that, where possible, the elements of the citation be presented in a language-neutral way (for example, representation of calendar dates should follow recommendations of ST.2).

19. For citing non-patent literature documents in a language other than the language of the search report, it is recommended to include the reference in the original language of the document followed by a translation into English as per paragraphs 16 and 17, above, if English is not the original language of the document. Further translation of the reference into the language of the search report, where the search report is not in English, may optionally be included in square brackets after the translation into English.

The following examples illustrate citations according to paragraphs 16 to 19 above:

Example 1: *There was an existing official English translation of at least the title available online which can be used to retrieve the original document and possibly a full translation of the original document.*

永田治樹. ライブラリーコンソーシアムの歴史と現状. 情報の科学と技術. 1997-11-01, 47(11), pp. 566-573. ISSN: 0913-3801. (NAGATA, Haruki. Library Consortia: Past and Present. The Journal of Information Science and Technology Association.)

Example 2: *There was an official translation of the name of the journal, but the journal did not provide an English rendering of the title of the article; an informal translation of the article title is provided for information purposes to help the reader understand the nature of the document.*

森田唯加他. 新たな心臓前駆細胞制御因子と階層性の理解. 血管. 2012-01-31, 35(1), p. 37(1). ISSN: 0911-4637. (Japanese Journal of Circulation Research), non-official translation (MORITA, Yuika et al. Novel Regulatory Factors for Cardiac Progenitor Cells and the Hierarchy Thereof.)

Example 3: *Citing a document in a language other than the language of the search report. This example illustrates the citation of the document in Korean in the search report prepared in Japanese. As there is no translation available, no English information has been added. A Japanese translation (prepared by the examiner) has been added in square brackets.*

엄성인 외 5명. 데이터베이스를 이용한 가스산업시설의 안전관리정보시스템 구축. 한국가스학회지. 1998-06, 2(2), pp. 48-54. ISSN: 1226-8402. [データベースを利用するガス産業施設の安全管理情報システムの構築]

Example 4: *Citing a document in a language other than the language of the search report, for which the official English translation is available, with optional translation into the language of the search report. This example illustrates the citation of the document in Korean in the search report prepared in Japanese.*

강 현 재. 줄기세포의 심혈관계 임상적용. 대한의사협회지. 2011-05. 54(5). pp. 462-467. (KANG, Hyun-Jae. Clinical Application of Stem Cell in Cardiovascular Diseases. J. Korean Med. Assoc.) [幹細胞の心血管疾患への臨床応用]

20. It is recommended that any document (reference) referred to in paragraph 79, above, and cited in the search report should be indicated by the following letters or a sign to be placed next to the citation of the said document (reference):

(a) *Categories indicating cited documents (references) of particular relevance:*

Category "X": The claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone;

Category "Y": The claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

(b) *Categories indicating cited documents (references) of other relevant prior art:*

Category "A": Document defining the general state of the art which is not considered to be of particular relevance;

Category "D": Document cited by the applicant in the application and which document (reference) was referred to in the course of the search procedure. Code "D" should always be accompanied by one of the categories indicating the relevance of the cited document;

Category "E": Earlier patent document as defined in Rule 33.1(c) of the Regulations under the PCT, but published on or after the international filing date. Code "E" should preferably be accompanied by one of the categories "X", "Y" or "A";

Category "L": Document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (the reason for citing the document shall be given);

Category "O": Document referring to an oral disclosure, use, exhibition or other means. Code "O" should always be accompanied by one of the categories "X", "Y" or "A";

Category "P": Document published prior to the filing date (in the case of the PCT, the international filing date) but later than on or after the priority date claimed in the application. Code "P" should always be accompanied by one of the categories "X", "Y" or "A";

Category "T": Later document published after the filing date (in the case of the PCT, the international filing date) or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention;

Category "&": Document being a member of the same patent family or document whose contents have not been verified by the search examiner but are believed to be substantially identical to those of another document which the search examiner has inspected.

21. The list of cited documents (references) given in the search report should indicate, conforming to the generally recognized practice of the International Searching Authorities under the Patent Cooperation Treaty, the respective claim(s) of the patent application to which the citation is considered to be relevant.

22. The category codes referred to in paragraph 4.20, above, are intended primarily for use in the context of search reports accompanying published patent applications. However, if industrial property offices wish to indicate the relevance of cited documents (references) listed on the first page of a published patent application, they should print the category codes in parentheses, immediately after each citation.

Note: Further detailed information on definitions of terms used in this Standard or on the inclusion of references cited can be found in International Standard ISO 690:1987, "~~Documentation – Bibliographic References – Content, Form and Structure~~", 2010, "~~Information and documentation – Guidelines for bibliographic references and citations to information resources~~". Guidance for the abbreviation of titles of articles can be obtained through International Standard ISO 4:1997, "Information and Documentation – Rules for the Abbreviation of Title Words and Titles of Publications".

[End of Standard]

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- (1) These elements are to be indicated only in a search report.
 - (2) The elements of item (v), having relevance to a corrected patent document, should be indicated together with the other data referred to under subparagraph 4.3(a)(i) to (iii).
 - (3) Where a surname can be identified, forenames or initials should follow the surname. Such surnames and initials should be given in capital letters.
 - (4) When the year of publication coincides with the year of the application or of the priority claim, the month and, if necessary, the day of publication of a monograph or parts thereof should be indicated in accordance with the provisions set out in WIPO Standard [ST.2](#).
 - (5) It should be noted that while an Internet address citation resulting from a search by a search engine may no longer be an active (i.e., usable) Internet address (e.g., [Example 8](#)), it may contain information which could be of use in locating the cited document or web page. For example, the home page where the document was found or the contents of the search statement may be located within the Internet address and can provide valuable information especially when considered along with the other information contained in the citation (e.g., title, author, publication date, standard identifier, etc.). Queries to the Webmaster or other staff of the relevant Internet home page may also be helpful.
 - (6) The Digital Object Identifier (DOI) is a system for identifying content objects in the digital environment. DOIs are names assigned to any entity, such as a scientific article, for use on digital networks. DOIs are used to provide current information, including where they can be found on the Internet. Information about a digital object may change over time, including where to find it, but the DOI number will not change. Refer to <http://www.doi.org/index.html>.

[End of Annex and of document]