

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 September 2007 (20.09.2007)

PCT

(10) International Publication Number
WO 2007/105202 A3

(51) International Patent Classification:
G06F 17/30 (2006.01)

(21) International Application Number:
PCT/IL2007/000294

(22) International Filing Date: 7 March 2007 (07.03.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/780,878 10 March 2006 (10.03.2006) US
60/789,599 6 April 2006 (06.04.2006) US
60/856,836 6 November 2006 (06.11.2006) US

(71) Applicant and

(72) Inventor: SHPIGEL, Avraham [IL/IL]; 5 Hahadarim St.,
75205 Rishon Lezion (IL).

(72) Inventor: DANNÉLLS, Dana; Vänskapen 3G, S-443 34
Lerum (SE).

(74) Agent: APPELFELD ZER LAW FIRM; B.S.R TOWER
1 FLOOR 16, 2 Ben Gurion St., 52573 Ramat Gan (IL).

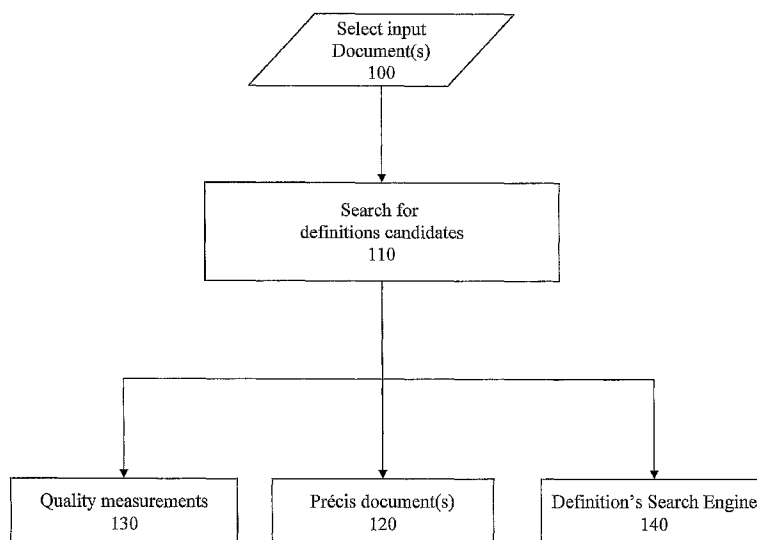
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

(88) Date of publication of the international search report:
16 April 2009

(54) Title: AUTOMATIC REUSABLE DEFINITIONS IDENTIFICATION (RDI) METHOD



(57) Abstract: Disclosed is a linguistically-based method for searching and recommending reusable definition candidates in one or more documents and for calculating measures of reuse efficiency and reuse consistency in these documents. Some embodiments of the present invention also produce document précis, whereby common terms and other data can be replaced by short titles with a link to their description. The definition candidates and the text précis can be used in search engines of large databases or of the internet to provide more valuable and efficient search results. According to additional embodiments of the present invention a tool is provided for aiding individuals with reading disabilities. The tool facilitates document comprehension processes by separating the most valuable text content e.g. the definitions part. Additionally, some embodiments of the present invention enable evaluating the pattern perception of the text writer by statistically measuring the amount of usage of definition candidates.

WO 2007/105202 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL 07/00294

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 17/30 (2008.04)
USPC - 707/7

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8): G06F 17/30 (2008.04)
USPC: 707/7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 707/1, 3, 6, 7, 10; 715/200, 255, 256, 968

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWest (PGPB, USPT, EPAB, JPAB); Google Scholar

Search terms: dictionary, definition, document, tracking, definition management, scan, search, parse, syntax, syntactic, grammar, user, text, textual, precis, automatic, manual, index, database etc.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,995,922 A (PENTEROUDAKIS et al.) 30 November 1999 (30.11.1999), entire document, especially col. 1 ln. 19-24, 36-44; col. 3 ln. 3-6, 11-20, 67; col. 4 ln. 1-3, 22-31; col. 5 ln. 7-12, 56-60; col. 8 ln. 9-11, 67; col. 9 ln. 1-4, 24-40	1-4, 8-9, 11, 14-16, and 25-26 ----- 5-7, 10, 12-13, 17-24, and 27
Y	US 6,886,010 B2 (KOSTOFF, R) 26 April 2005 (26.04.2005), entire document, especially col. 5 ln. 40-57; col. 7 ln. 35-42; col. 8 ln. 60-61; col. 10 ln. 1-15; col. 13 ln. 49-51; col. 50 ln. 36-40	5-7, 12-13, 20-21, 23-24, and 27
Y	US 6,944,611 B2 (FLANK et al.) 13 September 2005 (13.09.2005), entire document, especially col. 6 ln. 62-65; col. 11 ln. 33-36)	10, 17-19, and 22

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"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 (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after 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

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; 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

"&" document member of the same patent family

Date of the actual completion of the international search

09 September 2008 (09.09.2008)

Date of mailing of the international search report

15 SEP 2008

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774