



- (51) **International Patent Classification:**
G06F 17/30 (2006.01)
- (21) **International Application Number:**
PCT/EP2012/055846
- (22) **International Filing Date:**
30 March 2012 (30.03.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
11160594.5 31 March 2011 (31.03.2011) EP
- (71) **Applicant (for all designated States except US):** **ITSYS-TEMS AG** [CH/CH]; Malzgasse 7a, CH-4052 Basel (CH).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **PÜNTENER, Patrick** [CH/CH]; Maiengasse 58, CH-4056 Basel (CH). **ZOGG, Dario** [CH/CH]; Buchenstrasse 30, CH-4054 Basel (CH).
- (74) **Agent:** **LATSCHA, Silvan**; Latscha Schöllhorn Partner AG, Aeschenvorstadt 55, CH-4051 Basel (CH).
- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

- (88) **Date of publication of the international search report:**
22 November 2012

(54) **Title:** FINDING A DATA ITEM OF A PLURALITY OF DATA ITEMS STORED IN A DIGITAL DATA STORAGE

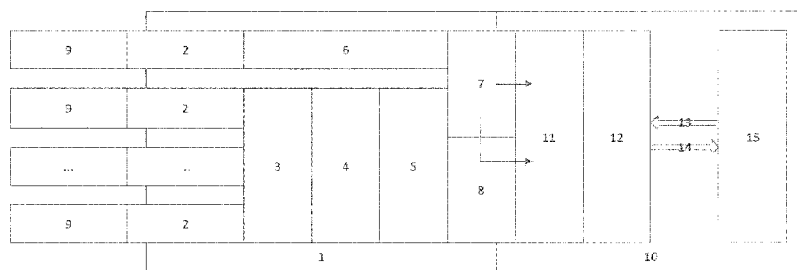


Fig. 1

(57) **Abstract:** A computer implemented method for finding at least one data item of a plurality of data items (11) stored in a data storage, comprising the steps of creating metadata for the at least one data item, linking the metadata to the at least one data item, indexing the metadata of the plurality of data items, obtaining a search term, searching the indexed metadata with regard to the search term, and providing data items of the plurality of data items being linked to retrieved metadata retrieved by the searching of the indexed metadata. The method further comprises the steps of providing a metadata engine (1) for the creating of the metadata for the at least one data item and the linking of the metadata to the at least one data item, which comprises a connector framework having at least one connector (2) being connectable to an external information system (9), extracts information from the at least one external information system (9) via the at least one connector, defines an abstraction layer based on an ontology representing the extracted information by topics and relations between the topics, and specifies the metadata with the topics associated to the at least one data item according to the abstraction layer.



INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/055846

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F17/30
ADD.

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)
G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 549 922 B1 (SRIVASTAVA ALOK [US] ET AL) 15 April 2003 (2003-04-15) the whole document -----	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

* 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

6 September 2012

Date of mailing of the international search report

19/09/2012

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Hauck, Rainer

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2012/055846

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6549922	B1	15-04-2003	NONE
