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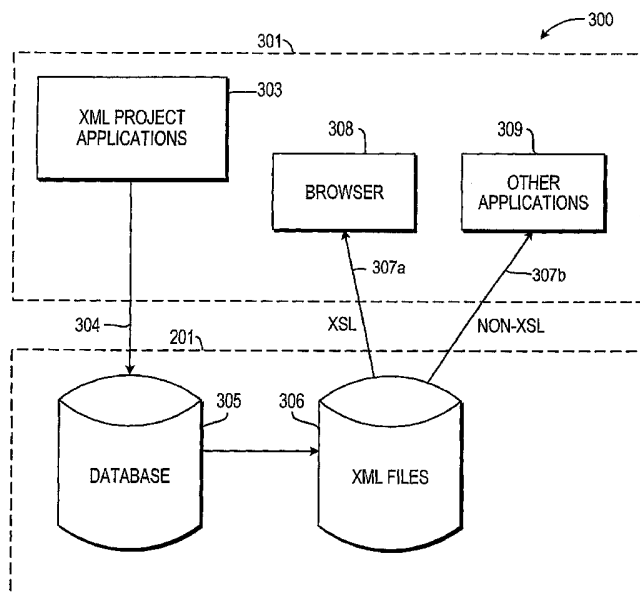
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NE, SN, TD, TG).

Published:
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[Continued on next page]

(54) Title: DIGITAL ASSET DATA TYPE DEFINITIONS



(57) Abstract: Data definitions for digital assets, such as, for example, audio, video, photographs, graphics, and electronic documents, are provided that allow these different asset types to be stored in a single database. The definitions are preferably in XML and can be used as a standardized dictionary to more efficiently and economically manage digital assets, thus improving system interoperability between companies or organizations within a company. A digital asset ordering interface, hardware system, software arrangement, and application interface configuration advantageously using these data definitions are also provided.



WO 02/048920 A3



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/US 01/47798

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/30

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 7 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 practical, 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	WO 00 52590 A (QUARK MEDIA HOUSE SARL ;QUARK INC (US)) 8 September 2000 (2000-09-08) page 1 -page 2 page 7, line 37 -page 8, line 30; figure 1 page 10, line 7 -page 15, line 34; figures 2-5 page 17, line 4 -page 24, line 30 ---	23-30
X	WO 00 08909 A (LOTSPIECH JEFFREY ;DORAK JOHN JR (US); DOWNS EDGAR (US); HURTADO M) 24 February 2000 (2000-02-24) page 1 -page 5 page 71, line 10 -page 77, line 13 page 109, line 25 - line 26 --- -/--	23-30

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in 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 document 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

18 June 2003

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

 Internat Application No
 PCT/US 01/47798

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SHAH K ET AL: "Logical information modeling of Web-accessible heterogeneous digital assets" RESEARCH AND TECHNOLOGY ADVANCES IN DIGITAL LIBRARIES, 1998. ADL 98. PROCEEDINGS. IEEE INTERNATIONAL FORUM ON SANTA BARBARA, CA, USA 22-24 APRIL 1998, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 22 April 1998 (1998-04-22), pages 266-275, XP010276909 ISBN: 0-8186-8464-X page 267 -page 272 ---	23-30
X	HUNTER J ET AL: "A comparison of schemas for video metadata representation" COMPUTER NETWORKS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 31, no. 11-16, 17 May 1999 (1999-05-17), pages 1431-1451, XP004304565 ISSN: 1389-1286 abstract page 1439 -page 1440 ---	23-30
A	SHANMUGASUNDARAM J ET AL: "Relational databases for querying XML documents: limitations and opportunities" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON VERY LARGE DATA BASES, 7 September 1999 (1999-09-07), pages 302-314, XP002168320 Edinburgh, Scotland abstract page 302 -page 303 ---	23-30
A	FERNANDEZ M ET AL: "SilkRoute: trading between relations and XML", COMPUTER NETWORKS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, VOL. 33, NR. 1-6, PAGE(S) 723-745 XP004304804 ISSN: 1389-1286 abstract -----	23-30

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 01/47798

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1-22
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-22

The claims relate to subject matter for which no search is required according to Rule 39 PCT. Given that the claims are formulated in terms of such subject matter or merely specify commonplace features relating to its technological implementation, the search examiner could not establish any technical problem which might potentially have required an inventive step to overcome. Hence it was not possible to carry out a meaningful search into the state of the art (Art. 17(2)(a)(i) and (ii) PCT; see Guidelines Part B Chapter VIII, 1-6).

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/47798

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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