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(54) Title: ELECTRONIC ITEM MANAGEMENT AND ARCHIVAL SYSTEM AND METHOD OF OPERATING THE SAME

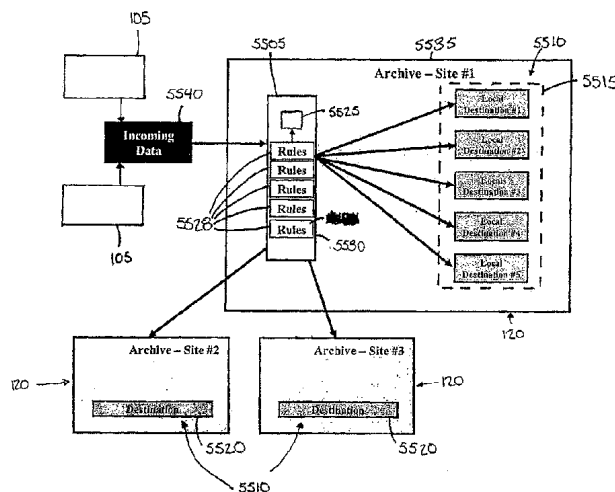


FIG. 62

(57) Abstract: An electronic item management and archival system (Fig. 62) for managing and archiving items. The system can include a server configured to receive items, archive at least one of the received items to an archive, and retrieve at least one of the archived items from the archive. In some embodiments, the server also includes architecture that supports a pool of threads promoting multiple, independent archive (5510) and retrieve operations concurrently.

WO 2005/119523 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/19368

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **G06F 7/00(2006.01),17/00(2006.01),12/00(2006.01),15/16(2006.01)**

 USPC: **707/10,104.1,204;709/201,218,238**
 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)
 U.S. : 707/10, 104.1, 204; 709/201, 218, 238

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,035,412 A (TAMER et al) 07 March 2000 (07.03.2000), Abstract; Figs. 1-2; col.2, line 12 - col.3, line 33; col.6, lines 17-54.	1, 33-35, 60-62 and 84
Y	US 5,136,707 A (BLOCK et al) 04 August 1992 (04.08.1992), Abstract; Figs. 1-5; All Text	1, 22-35, 49-62 and 74-84
A	US 5,784,610 A (COPELAND et al) 21 July 1998 (21.07.1998), All	1, 22-35, 49-62 and 74-84

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	"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
"E"	earlier application or patent published on or after the international filing date	"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
"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)	"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
"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	"&" document member of the same patent family

Date of the actual completion of the international search 11 July 2007 (11.07.2007)	Date of mailing of the international search report 31 DEC 2007
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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 John Follansbee Telephone No. (703)305-3900 <i>Wen Jan Li</i> 10/10/07
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/19368

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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.:
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:

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 No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

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 additional fees, this Authority did not invite payment of any additional fees.
 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.: 1,22-35,49-62 and 74-84
- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
 - The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
 - No protest accompanied the payment of additional search fees.

BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

In order for more than one species to be examined, the appropriate This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In order for more than one species to be examined, the appropriate additional examination fees must be paid. The species are as follows:

I. Claims 1-21, 35-48 and 62-73 disclose remote data access, classified in class 709, subclass 217.

II. Claims 1, 22-34, 35, 49-62 and 74-84 disclose database maintenance, classified in class 707, subclass 200.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: Group I discloses remote data access with prevention of data loss when communication link is interrupted, classified in 709/217, while group II discloses distributed archiving, classified in 707/200.