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(71) Applicant (for all designated States except US): **POST-PATH, INC.** [US/US]; 1200 Villa Street, Suite 150, Mountain View, CA 94041-1106 (US).

(72) Inventor: **GREATWOOD, Duncan, MacDougall**; 1555 Edgewood Dr., Palo Alto, CA 94303 (US).

(74) Agent: **BOTJER, William, L.**; PO Box 478, Center Moriches, NY 11934 (US).

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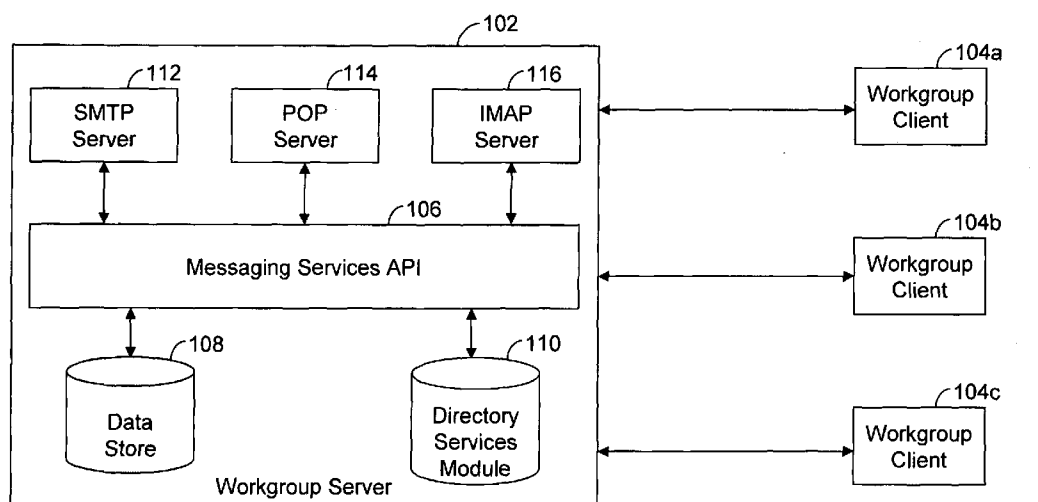
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(54) Title: FILE-SYSTEM BASED DATA STORE FOR A WORKGROUP SERVER



(57) Abstract: A system and method for storing workgroup objects on a file-system based data store in a workgroup server is disclosed. The present invention implements a file-system based workgroup system in which a workgroup object is stored in one or more files. The present invention further includes a workgroup object list comprising object identifiers, each object identifier uniquely mapping to a workgroup object and each object identifier including a property of the workgroup object based on which the workgroup object list is sorted.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/25384

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 15/16 (2008.04)

USPC - 709/203

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)

USPC - 709/203

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 707/8,103R,204 | 711/162Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (USPT, PGPB, EPAB, JPAB); Google Scholar; file system, work group, object, properties, storage, truncating, mapping, IMAP, POP, SMTP, algorithm

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 2004/0177319 A1 (HORN) 09 September 2004 (09.09.2004) entire document (espeically para [0018],[0102]-[0113],[0250])	1-5, 8-18, 20, 24-25, 28-35, 37-39 and 41 ----- 6-7, 19, 26-27, 36, and 40
Y	US 6,397,230 B1 (CARMEL et al.) 28 May 2002 (28.05.2002) (col. 3, ln 66 to col. 4, ln 11)	6-7, 19, 26-27, 36, and 40
A	US 2003/0120737 A1 (LYTLE et al.) 26 June 2003 (26.06.2003) entire document	1-20 and 24-41
A	US 5,913,032 A (SCHWARTZ et al.) 15 June 1999 (15.06.1999) entire document	1-20 and 24-41

☐ 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

19 May 2008 (19.05.2008)

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Authorized officer:

Lee W. Young

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/25384

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.: 21-23
because they relate to subject matter not required to be searched by this Authority, namely:
The claims consist of a data structure that is not tangibly embodied.
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:

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 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.:

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.