

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
23 November 2000 (23.11.2000)

PCT

(10) International Publication Number  
**WO 00/70500 A3**

- (51) International Patent Classification<sup>7</sup>: **G06F 17/30**
- (21) International Application Number: PCT/US00/11946
- (22) International Filing Date: 1 May 2000 (01.05.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
09/312,308 14 May 1999 (14.05.1999) US
- (71) Applicant (*for all designated States except US*): **PIVIA, INC.** [US/US]; Suite 200, 10062 Miller Avenue, Cupertino, CA 95014 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **MOHAN, Sudhir** [US/US]; 5006 Calle de Escuela, Santa Clara, CA 95054-1431 (US). **PATIL, Umesh, R.** [IN/US]; 811 Milo Court, San Jose, CA 95133 (US). **JORDAN, Daniel, S.** [US/US]; 32 Museum Way, San Francisco, CA 94114 (US).
- (74) Agents: **MILLIKEN, Darren, J.** et al.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— with international search report
- (88) Date of publication of the international search report:  
3 January 2002
- 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.*



**WO 00/70500 A3**

(54) Title: CLIENT-SERVER INDEPENDENT INTERMEDIARY MECHANISM

(57) Abstract: A method and apparatus for a client-server independent intermediary mechanism is provided. The method comprises displaying a frame including a user interface of the IIM, the frame framing a destination server display area (DSDA). The method further comprises retrieving data for display from a destination server, and instrumenting the data prior to display such that future data retrieved from the destination server is displayed in the DSDA, without writing over the frame.

**INTERNATIONAL SEARCH REPORT**

International Application No

PCT/US 00/11946

**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 H04L

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)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	M JACZYNSKI ET AL: "WWW Assisted Browsing by Reusing Past Navigations of a Group of Users" ADVANCES IN CASE-BASED REASONING, DE, SPRINGER VERLAG, September 1998 (1998-09), pages 160-171, XP002140921 page 161, paragraph 5 -page 165, paragraph 1 figures 1,3,4	1,18,21
Y	---	2-5,19
	-/--	

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

19 January 2001

Date of mailing of the international search report

25.06.01

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Eraso Helguera, J

1

INTERNATIONAL SEARCH REPORT

In International Application No  
PCT/US 00/11946

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>KELLER R M ET AL: "A bookmarking service for organizing and sharing URLs" COMPUTER NETWORKS AND ISDN SYSTEMS,NORTH HOLLAND PUBLISHING. AMSTERDAM,NL, vol. 29, no. 8-13, 1 September 1997 (1997-09-01), pages 1103-1114, XP004095308 ISSN: 0169-7552 the whole document</p>	1,18,21
X	<p>--- BARRETT R ET AL: "Intermediaries: new places for producing and manipulating Web content" COMPUTER NETWORKS AND ISDN SYSTEMS,NL,NORTH HOLLAND PUBLISHING. AMSTERDAM, vol. 30, no. 1-7, 1 April 1998 (1998-04-01), pages 509-518, XP004121397 ISSN: 0169-7552 page 512, left-hand column, paragraph 1 -page 514, left-hand column, paragraph 2 figure 4</p>	17
Y	<p>---</p>	2-5,19
A	<p>NETSCAPE: "Flexible Roaming Access" WHITE PAPER, [Online] XP002157822 Retrieved from the Internet: &lt;URL:http://home.netscape.com/communicator/v4.5/whitepaper/roaming.html&gt; [retrieved on 2001-01-17] the whole document</p>	1-5, 17-19
L	<p>--- "Roaming Access now available" WEB PAGE, [Online] 21 April 1999 (1999-04-21), XP002157823 Retrieved from the Internet: &lt;URL:http://www.cns.yorku.ca/archive/CompNews/Articles/9904/roam.htm&gt; [retrieved on 2001-01-17] This document proves the availability of the disclosure in the document "Flexible Roaming Access" before the priority date 1999-05-14. the whole document</p>	1-5, 17-19
E	<p>--- WO 00 65773 A (FIRSTPERSON COM) 2 November 2000 (2000-11-02) page 23, line 27 - line 33 page 30, line 6 - line 15 page 30, line 34 -page 31, line 33 figures 7-16 claims 18,22</p> <p>-----</p>	1

# INTERNATIONAL SEARCH REPORT

international application No.  
PCT/US 00/11946

## 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.:  
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 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.:

1-5,17-19,21

### 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

1. Claims: 1-5,17-19,21

A method and a mechanism for managing cookies in an independant intermediary mechanism.

2. Claims: 6, 11-15 (dependant on 1), 16, 20 (dependant on 18)

A method and a mechanism for redirecting destination server data through an independant intermediary mechanism.

3. Claims: 7-10 (dependant on 1)

A method for making an independant intermediary mechanism user interface frame persistent.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/11946

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0065773 A	02-11-2000	AU 4495400 A	10-11-2000
-----			