

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
18 April 2002 (18.04.2002)

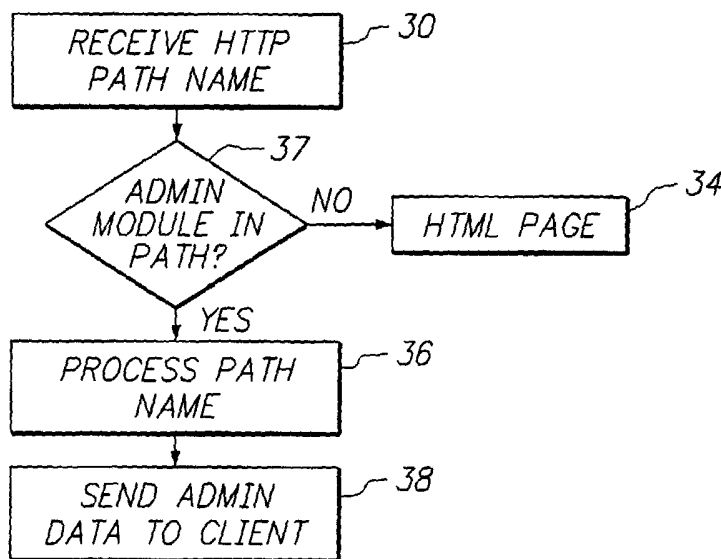
PCT

(10) International Publication Number  
**WO 02/032056 A3**

- (51) International Patent Classification<sup>7</sup>: **H04L 12/24**, 29/06
- (74) Agent: **PETERSON, James, W.**; BURNS, DOANE, SWECKER & MATHIS, LLP, P.O. BOX 1404, Alexandria, VA 22313-1404 (US).
- (21) International Application Number: PCT/US01/29377
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (22) International Filing Date: 18 September 2001 (18.09.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 09/680,991 6 October 2000 (06.10.2000) US
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:  
US 09/680,991 (CON)  
Filed on 6 October 2000 (06.10.2000)
- (71) Applicant (*for all designated States except US*): **APPLE COMPUTER, INC.** [US/US]; One Infinite Loop, Cupertino, CA 95014 (US).
- Published: — *with international search report*
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): **MURATA, John** [US/US]; 1078 Bryant Avenue #C, Mountain View, CA 94040 (US).
- (88) Date of publication of the international search report: 21 November 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.*

(54) Title: STREAMING SERVER ADMINISTRATION PROTOCOL



(57) Abstract: Network server information has traditionally been obtained through the use of operating systems functions and calls. By adding URL protocol code to the network server, such data may be obtained by use of a URL. In the URL, path information for the container in the server where such data resides is included. Specific server data may be retrieved recursively among several levels of containers. System calls and other functions may also be added to the URL path name for searching for particular data, or similar types of data through successive levels of containers. The protocol allows server administrators to access server data, in real time, from any user device in a network in which the server resides.

WO 02/032056 A3

INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 01/29377

<p><b>A. CLASSIFICATION OF SUBJECT MATTER</b>                  IPC 7 H04L12/24 H04L29/06</p> <p>According to International Patent Classification (IPC) or to both national classification and IPC</p>											
<p><b>B. FIELDS SEARCHED</b></p> <p>Minimum documentation searched (classification system followed by classification symbols)                  IPC 7 H04L</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practical, search terms used)                  EPO-Internal, INSPEC, COMPENDEX</p>											
<p><b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b></p> <table border="1"> <thead> <tr> <th>Category °</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>                     EP 0 996 253 A (CANON KK)                      26 April 2000 (2000-04-26)                      abstract                      paragraph '0001! - paragraph '0008!                      paragraph '0042! - paragraph '0057!                      paragraph '0065! - paragraph '0079!                      paragraph '0096! - paragraph '0101!                      ---                 </td> <td>1-4</td> </tr> <tr> <td>X</td> <td>                     WO 00 56055 A (RTIMAGE LTD)                      21 September 2000 (2000-09-21)                      abstract                      page 12, line 24 -page 25, line 8                      ---                      -/--                 </td> <td>1-4</td> </tr> </tbody> </table>			Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	EP 0 996 253 A (CANON KK) 26 April 2000 (2000-04-26) abstract paragraph '0001! - paragraph '0008! paragraph '0042! - paragraph '0057! paragraph '0065! - paragraph '0079! paragraph '0096! - paragraph '0101! ---	1-4	X	WO 00 56055 A (RTIMAGE LTD) 21 September 2000 (2000-09-21) abstract page 12, line 24 -page 25, line 8 --- -/--	1-4
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.									
X	EP 0 996 253 A (CANON KK) 26 April 2000 (2000-04-26) abstract paragraph '0001! - paragraph '0008! paragraph '0042! - paragraph '0057! paragraph '0065! - paragraph '0079! paragraph '0096! - paragraph '0101! ---	1-4									
X	WO 00 56055 A (RTIMAGE LTD) 21 September 2000 (2000-09-21) abstract page 12, line 24 -page 25, line 8 --- -/--	1-4									
<p><input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.      <input checked="" type="checkbox"/> Patent family members are listed in annex.</p>											
<p>° Special categories of cited documents :</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*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)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> <p>*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</p> <p>*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</p> <p>*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.</p> <p>* &amp; * document member of the same patent family</p>											
<p>Date of the actual completion of the international search</p> <p>19 July 2002</p>		<p>Date of mailing of the international search report</p> <p>26/07/2002</p>									
<p>Name and mailing address of the ISA</p> <p>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</p>		<p>Authorized officer</p> <p>Kesting, V</p>									

## INTERNATIONAL SEARCH REPORT

 Intel<sup>®</sup> Application No  
 PC1/US 01/29377

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>JONG-TAE PARK ET AL: "Web-based customer network management"            ENTERPRISE NETWORKING MINI-CONFERENCE, 1997. ENM-97. IN CONJUNCTION WITH THE ICC-97., FIRST IEEE MONTREAL, QUE., CANADA 11-12 JUNE 1997, NEW YORK, NY, USA, IEEE, US,            11 June 1997 (1997-06-11), pages 160-169, XP010229426            ISBN: 0-7803-4112-0            abstract            sections 1., 3., 4., 5.</p>	1-4
A	<p>RIVA A ET AL: "LispWeb: A specialized HTTP server for distributed AI applications"            COMPUTER NETWORKS AND ISDN SYSTEMS, NORTH HOLLAND PUBLISHING. AMSTERDAM, NL, vol. 28, no. 11, 1 May 1996 (1996-05-01), pages 953-961, XP004018199            ISSN: 0169-7552            abstract            section 3.</p>	1-4
A	<p>MI-JOUNG CHOI ET AL: "An efficient embedded Web server for Web-based network element management"            NOMS 2000. 2000 IEEE/IFIP NETWORK OPERATIONS AND MANAGEMENT SYMPOSIUM 'THE NETWORKED PLANET: MANAGEMENT BEYOND 2000' (CAT. NO.00CB37074), PROCEEDINGS OF NETWORK OPERATIONS AND MANAGEMENT SYMPOSIUM, HONOLULU, HI, USA, 10-14 APRIL 2000,            pages 187-200, XP010376683            2000, Piscataway, NJ, USA, IEEE, USA            ISBN: 0-7803-5928-3            the whole document</p>	1-4
A	<p>BERNERS-LEE T: "Hypertext Transfer Protocol- HTTP/1.1 RFC 2616"            IETF RFC,            no. 2616, June 1999 (1999-06), XP002159137            section 9</p>	1-4

**INTERNATIONAL SEARCH REPORT**  
 Information on patent family members

Int. Patent Application No  
 PCT/US 01/29377

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP 0996253	A	26-04-2000	US 6308205 B1	23-10-2001
			EP 0996253 A2	26-04-2000
			JP 2000200239 A	18-07-2000
-----				
WO 0056055	A	21-09-2000	AU 3188600 A	04-10-2000
			EP 1186159 A2	13-03-2002
			WO 0056055 A2	21-09-2000
-----				