

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
18 October 2001 (18.10.2001)

PCT

(10) International Publication Number  
**WO 01/077875 A3**

(51) International Patent Classification<sup>7</sup>: **G06F 17/60**,  
H04L 12/58

(21) International Application Number: PCT/US01/11597

(22) International Filing Date: 10 April 2001 (10.04.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
09/545,653 10 April 2000 (10.04.2000) US

(71) Applicant: **AVIENDA TECHNOLOGIES, INC.**  
[US/US]; 11 Piedmont Center, Suite 510, Atlanta, GA  
30305 (US).

(72) Inventors: **SHAPIRO, Aaron, M.**; 3562 Piedmont Road,  
Apartment 212, Atlanta, GA 30305 (US). **ROBERTS,**  
**Theodore, John, Jr.**; 2859 Gant Quarter Circle, Marietta,  
GA 30068 (US).

(74) Agents: **GARRETT, Arthur, S.** et al.; Finnegan, Hen-  
derson, Farabow, Garrett & Dunner, L.L.P., 1300 I Street,  
N.W., Washington, DC 20005-3315 (US).

(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, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(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, GW, ML, MR, NE, SN, TD, TG).

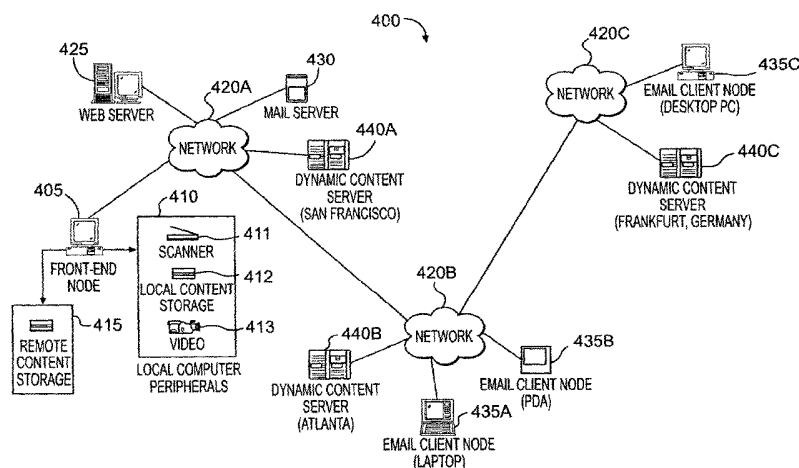
**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
4 September 2003

[Continued on next page]

(54) Title: METHODS AND SYSTEMS FOR RECEIVING AND VIEWING CONTENT-RICH COMMUNICATIONS



(57) Abstract: Methods, systems, and articles of manufacture consistent with the present invention provide the ability to receive a communication (such as an electronic mail message) using a particular content server within a network. A minimal amount of information is received, such as an instruction set and a basic amount of content information. The instruction set is analyzed to determine references to content stored on a particular one of the content servers, namely the content server that is closest to an anticipated access point for the communication. While executing the instruction set and displaying the basic content information, a request for the communication's content is generated and sent to the content server. The content is received from the content server closest to the anticipated access point (typically the one closest to the requesting node), usually in a streaming format. The content is then displayed for the intended recipient.



WO 01/077875 A3



*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 01/11597

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G06F17/60 H04L12/58

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)

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	JOSE ALVEAR: "STREAMING EMAIL", WEB DEVELOPPER.COM GUIDE TO STREAMING MULTIMEDIA, NEW YORK: JOHN WILEY & SONS, US, PAGE(S) 303-317 XP002150023 ISBN: 0-471-24822-3 the whole document	1-18
X	US 5 781 901 A (KUZMA ANDREW J) 14 July 1998 (1998-07-14) figure 4 column 1, line 21 - line 44 column 1, line 55 - line 63 column 3, line 26 - line 59 column 5, line 1 - line 25 column 6, line 4 - line 11 column 9, line 19 - line 22 column 10, line 7 - line 16 --- -/--	1,2,7, 12-15

☒ 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.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

3 July 2003

Date of mailing of the international search report

11/07/2003

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

Verhoef, P

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/11597

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 593 384 A (IBM) 20 April 1994 (1994-04-20) column 1, line 40 -column 2, line 19 ---	1,7,12
A	VIDEOSHARE INC: "Introducing videoshare.com" INTERNET, 8 March 2000 (2000-03-08), XP002181197 Retrieved from the Internet: <URL:http://www.videoshare.com> 'retrieved on 2001-10-25! the whole document -----	1,3,5,7, 8,10-12

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/11597

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5781901	A	14-07-1998	NONE
EP 0593384	A	20-04-1994	US 5418908 A 23-05-1995
		DE 69327761 D1	09-03-2000
		DE 69327761 T2	13-07-2000
		EP 0593384 A1	20-04-1994
		JP 2565647 B2	18-12-1996
		JP 6195277 A	15-07-1994