

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 September 2001 (20.09.2001)

PCT

(10) International Publication Number
WO 01/69883 A3

(51) International Patent Classification⁷: **H04L 29/06**,
H04M 7/00

N. [US/US]; 2708 Garden Springs, Richardson, TX 75082 (US). **HAUN, Christopher** [US/US]; 4029 Tabernash Lane, Richardson, TX 75082 (US).

(21) International Application Number: PCT/US01/40208

(74) Agent: **HU, Dan, C.**; Trop, Pruner & Hu, P.C., 8554 Katy Freeway, Suite 100, Houston, TX 77024 (US).

(22) International Filing Date: 1 March 2001 (01.03.2001)

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, 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, MZ, 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.

(26) Publication Language: English

(30) Priority Data:
09/527,097 16 March 2000 (16.03.2000) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 09/527,097 (CON)
Filed on 16 March 2000 (16.03.2000)

(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).

(71) Applicant (*for all designated States except US*): **NORTEL NETWORKS LTD.** [CA/CA]; 2351 Boulevard Alfred-Nobel, St. Laurent, Québec H4S 2A9 (CA).

(72) Inventors; and

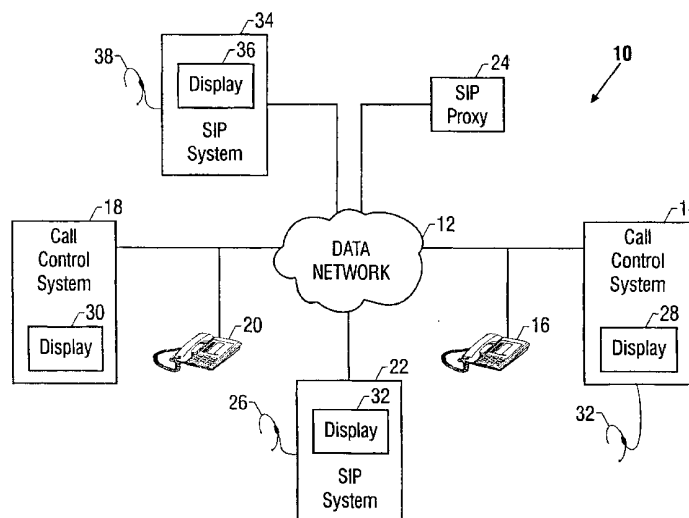
Published:

(75) Inventors/Applicants (*for US only*): **SOLLEE, Patrick,**

— with international search report

[Continued on next page]

(54) Title: TEXT-BASED COMMUNICATIONS OVER A DATA NETWORK



(57) Abstract: A communications system (10) includes a packet-based data network (12) that is coupled to various network elements (14, 16, 18, 20, 22, and 34) that are capable of participating in audio-based call sessions over the data network (12). The audio-based call sessions may be defined according to a Session Initiation Protocol (SIP) or to another type of protocol (e.g., H.323). The network elements (14, 18, 22, and 34) are also capable of participating in text-based chat sessions. Text messages exchanged in such text-based chat sessions are carried in messages, such as SIP Info messages, that are defined according to the protocol for audio-based call sessions. The SIP Info messages carrying the text messages may be communicated either during an established audio-based call session or outside of an audio-based call session. Using SIP (or another signal protocol) messages to carry the text messages allows such messages to be conveniently transported through a firewall system.



WO 01/69883 A3



(88) Date of publication of the international search report:
20 June 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.

INTERNATIONAL SEARCH REPORT

International Application No

PC1/US 01/40208

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04L29/06 H04M7/00

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 H04L H04M

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, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 818 836 A (DUVAL STEPHEN C) 6 October 1998 (1998-10-06)	1
A	abstract column 5, line 5 -column 6, line 57 column 7, line 46 -column 8, line 11 ---	2-37
A	CIMPU ET AL: "CORBA-based multimedia audio chat" ELECTRICAL AND COMPUTER ENGINEERING, 1999 IEEE CANADIAN CONFERENCE ON EDMONTON, ALTA., CANADA 9-12 MAY 1999, PISCATAWAY, NJ, USA, IEEE, US, 9 May 1999 (1999-05-09), pages 342-345, XP010359843 ISBN: 0-7803-5579-2 abstract page 343, column 3, line 1 -column 4, line 12 ---	1-37
	-/--	

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	*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 document but 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	*&* document member of the same patent family
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 18 December 2001	Date of mailing of the international search report 02/01/2002
---	--

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 Stergiou, C
--	---------------------------------------

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/40208

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 45781 A (FLASH COMMUNICATIONS INC) 15 October 1998 (1998-10-15) abstract page 3, line 19 - line 30 -----	36

INTERNATIONAL SEARCH REPORT

...formation on patent family members

International Application No

PCT/US 01/40208

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
US 5818836	A	06-10-1998	NONE	
<hr style="border-top: 1px dashed black;"/>				
WO 9845781	A	15-10-1998	US 5943478 A	24-08-1999
			EP 1023663 A1	02-08-2000
			WO 9845781 A1	15-10-1998
			US 6260148 B1	10-07-2001
<hr style="border-top: 1px dashed black;"/>				