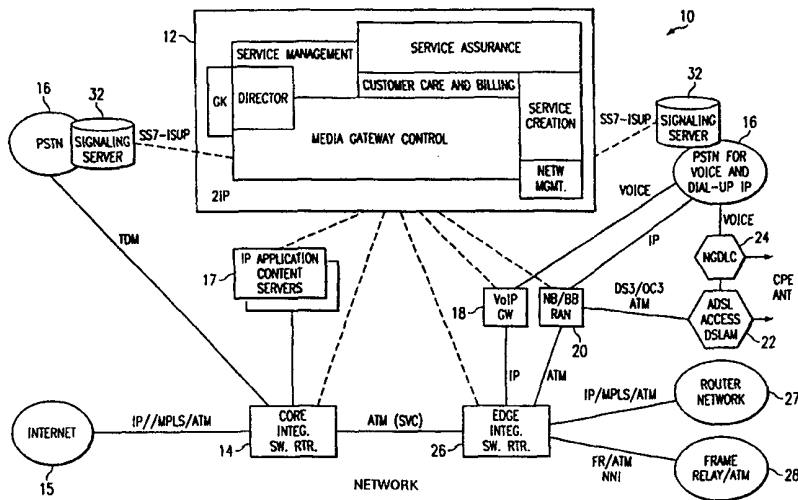




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<p>(21) International Application Number: PCT/US99/24136 (22) International Filing Date: 15 October 1999 (15.10.99) (30) Priority Data: 60/104,408 15 October 1998 (15.10.98) US (71) Applicant: ALCATEL USA, INC. [US/US]; 1000 Coit Road, Plano, TX 75075 (US). (71)(72) Applicants and Inventors: PIROT, Johan [BE/BE]; Peter Benoitlaan 34, B-3128 Tremelo (BE). JADOU, Mark [BE/BE]; Schuttershofstraat 6, B-9120 Beveren (BE). ROSCAM, Rombaut, J. [BE/BE]; Narcislaan 6, B-3191 Boortmeerbeek (BE). O'CONNELL, Peter, S. [US/US]; 3 Darr Road, Heath, TX 75087 (US). MCDERMOTT, Thomas, C. [US/US]; 265 Daniel Drive, Plano, TX 75094 (US). (74) Agent: FISH, Charles, S.; Baker &amp; Botts, L.L.P., 2001 Ross Avenue, Dallas, TX 75201-2980 (US).</p>		<p>(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, 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).</p> <p><b>Published</b> <i>With international search report.</i></p> <p>(88) Date of publication of the international search report: 6 July 2000 (06.07.00)</p>

(54) Title: MANAGING VOICE AND DATA SERVICES IN A TELECOMMUNICATIONS NETWORK



(57) Abstract

A system of controlling and managing voice and data services in a telecommunications network includes a media gateway interface coupled to a plurality of diverse voice and data media gateways operating under diverse protocols in the telecommunications network. A media gateway controller is in communications with the media gateway interface and media gateways and carries out service logic for a voice or data service according to input received from the media gateways. The system also includes a service management subsystem in communications with the media gateway controller and being operable to provision services with customers and provide service management tools for managing the services, and a service creation subsystem in communications with the service management subsystem and being operable to provide service creation tools for creating the service logic of the services. A customer care subsystem in communications with the service management subsystem is provided for generating billing records and customer invoices for the voice.

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**INTERNATIONAL SEARCH REPORT**

International Application No  
**PCT/US 99/24136**

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04Q3/00

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 H04Q

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.
A	WO 98 06215 A (MCI COMMUNICATIONS CORPORATION) 12 February 1998 (1998-02-12) page 3, line 6 -page 4, line 19	1,16
A	CAMPBELL A T ET AL: "Building open programmable multimedia networks" COMPUTER COMMUNICATIONS,NL,ELSEVIER SCIENCE PUBLISHERS BV, AMSTERDAM, vol. 21, no. 8, 25 June 1998 (1998-06-25), pages 758-770, XP004132250 ISSN: 0140-3664 page 841, left-hand column, line 1 -page 844, right-hand column, line 4	1,16

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Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT .

Information on patent family members

International Application No

PCT/US 99/24136

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9806215 A	12-02-1998	AU 4052397 A	25-02-1998