

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
24 January 2008 (24.01.2008)

PCT

(10) International Publication Number  
WO 2008/011349 A3

(51) International Patent Classification:  
H04M 1/00 (2006.01)

Gilman, R. [US/US]; 850 Quail Rise, Fairview, TX 75069 (US).

(21) International Application Number:  
PCT/US2007/073508

(74) Agents: SARLES, Matthew et al.; Townsend and Townsend and Crew LLP, 1200 Seventeenth Street, Suite 2700, Denver, CO 80202 (US).

(22) International Filing Date: 13 July 2007 (13.07.2007)

(25) Filing Language: English

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:  
11/490,515 19 July 2006 (19.07.2006) US

(71) Applicant (for all designated States except US): QWEST COMMUNICATIONS INTERNATIONAL INC. [US/US]; 1801 California, Suite 900, Denver, CO 80202 (US).

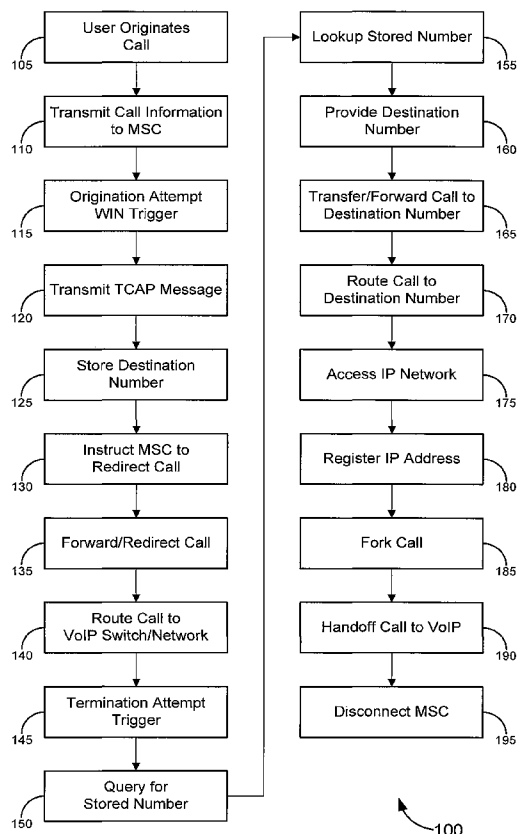
(72) Inventors; and

(75) Inventors/Applicants (for US only): LABAUVE, Lance [US/US]; 9830 S. Fireweed Road, Highlands Ranch, CO 80129 (US). COOK, Charles, I. [US/US]; 182 Cherrywood Lane, Louisville, CO 80027 (US). STEVENS,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: HANDSET REGISTRATION IN A DUAL-MODE ENVIRONMENT



(57) Abstract: Embodiments of the invention provide novel solutions, including systems, methods and/or software, for handling calls in a dual-mode VoIP/cellular environment. Merely by way of example, some systems can be configured to determine whether to use a VoIP system or a cellular system to handle a particular call, and/or to transition a call from one network to the other network. Other systems can be configured to substitute a public number (which might be, for example, a VoIP number) for a private number (which might be, for example, a cellular number) when routing a call originating from a dual-mode phone on a cellular network. Further systems can be configured to allow a VoIP system to serve as an anchor for calls originated and/or delivered on a cellular system, for instance to facilitate a transition between cellular and VoIP service during a call.

WO 2008/011349 A3



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

**Published:**

— *with international search report*

**(88) Date of publication of the international search report:**

5 February 2009

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/73508

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **H04M 1/00(2006.01)**

USPC: 455/552.1  
 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)  
 U.S. : 455/552.1

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 practicable, 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	US 2002/0085516 A1 (BRIDGELALL) 04 July 2002 (04.07.2002), paragraph 11 to paragraph 86	1-13

Further documents are listed in the continuation of Box C.       See patent family 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 application or patent 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 30 July 2008 (30.07.2008)	Date of mailing of the international search report <b>01 DEC 2008</b>
--	--

Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer Duc M. Nguyen Telephone No. 571-272-7503
---	---