

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 March 2006 (02.03.2006)

PCT

(10) International Publication Number
WO 2006/023108 A3

(51) International Patent Classification:
H04Q 7/22 (2006.01)

(21) International Application Number:
PCT/US2005/023793

(22) International Filing Date: 6 July 2005 (06.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/592,856 30 July 2004 (30.07.2004) US
11/153,207 15 June 2005 (15.06.2005) US

(71) Applicant (for all designated States except US): **INTER-DIGITAL TECHNOLOGY CORPORATION** [US/US];
3411 Silverside Road, Concord Plaza, Suite 105, Hagley Building, Wilmington, DE 19810 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SHAHEEN, Kamel, M.** [EG/US]; 429 Ashton Drive, King of Prussia, Pennsylvania 19406 (US).

(74) Agent: **BALLARINI, Robert, J.; VOLPE AND KOENIG, P.C.**, United Plaza, Suite 1600, 30 S. 17th Street, Philadelphia, Pennsylvania 19103 (US).

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

(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), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, 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).

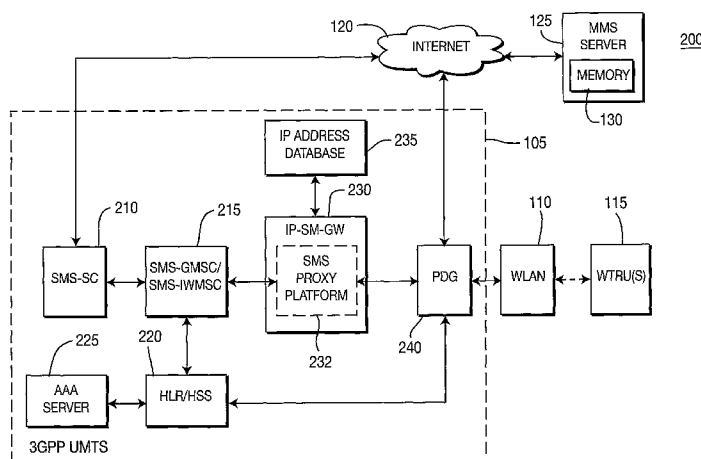
Published:

— with international search report

(88) Date of publication of the international search report:
16 November 2006

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: WIRELESS COMMUNICATION METHOD AND SYSTEM FOR ESTABLISHING A MULTIMEDIA MESSAGE SERVICE OVER A WLAN



(57) Abstract: A wireless communication system (200) for supporting multimedia services (MMS) provided to a user of a wireless transmit/receive unit (WTRU) (115) which communicates with the wireless communication system (200). The wireless communication system (200) includes a third generation partnership program (3GPP) universal mobile telecommunications system (UMTS) (105), a wireless local area network (WLAN) (110) and an MMS server (125). The MMS server stores at least one MMS message for the WTRU (115) in a memory (130) until the WTRU (115) retrieves the message. The 3GPP UMTS (105) includes an internet protocol short message gateway (IP-SM-GW) (230) having a short message service (SMS) proxy (232). The WTRU (115) is registered with the SMS proxy (232) to establish SMS connectivity, and is also registered with the MMS server (125) to establish MMS connectivity. The WTRU (115) is notified when the MMS server (125) receives an MMS message for the WTRU (115). The WTRU (115) then retrieves the MMS message from the memory (130) of the MMS server (125).

WO 2006/023108 A3