

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 January 2001 (18.01.2001)

PCT

(10) International Publication Number
WO 01/05176 A1

(51) International Patent Classification⁷: H04Q 7/32

(21) International Application Number: PCT/US00/19413

(22) International Filing Date: 14 July 2000 (14.07.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/353,107 14 July 1999 (14.07.1999) US

(71) Applicant: QUALCOMM INCORPORATED [US/US];
5775 Morehouse Drive, San Diego, CA 92121-1714 (US).

(72) Inventors: LIOY, Marcello; 7588 Charmant Drive,
#1924, San Diego, CA 92122 (US). ABROL, Nischal;
7260 Calle Cristobal, #41, San Diego, CA 92126 (US).

(74) Agents: WADSWORTH, Philip, R. et al.; Qualcomm In-
corporated, 5775 Morehouse Drive, San Diego, CA 92121-
1714 (US).

(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, UZ, VN, YU, ZA, ZW.

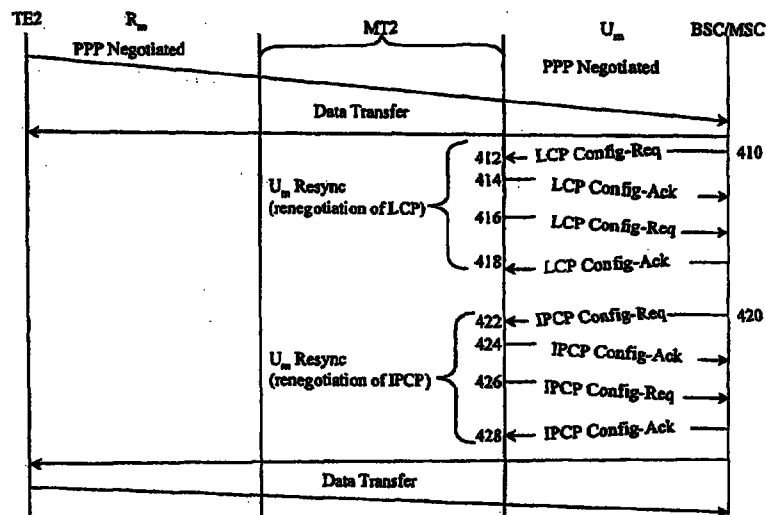
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, 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.

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: INDEPENDANT SYNCHRONISATION OF PPP LINKS ON UM AND RM INTERFACES



(57) Abstract: A method, within a wireless communication system, and a wireless MT2 device (104) which provide for the resynchronization of a PPP link on each one of a U_m and R_m interface without affecting the other of the U_m and R_m interface. When a handoff is performed, such that the communications of the mobile MT2 device (104) is handed off to a new BS/MS (106), the U_m interface will undergo PPP configuration renegotiation (Figure 4) without causing the R_m interface also to undergo PPP configuration renegotiation. Similarly, when the R_m interface undergoes PPP configuration renegotiation (Figure 6), the U_m interface will not undergo PPP configuration renegotiation.

WO 01/05176 A1