

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 April 2009 (16.04.2009)

PCT

(10) International Publication Number
WO 2009/048817 A3

- (51) International Patent Classification:
H04W 36/30 (2009.01) *H04W 48/18* (2009.01)
- (21) International Application Number:
PCT/US2008/078816
- (22) International Filing Date: 3 October 2008 (03.10.2008)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/978,749 9 October 2007 (09.10.2007) US
12/244,529 2 October 2008 (02.10.2008) US
- (71) Applicant (for all designated States except US): **QUALCOMM Incorporated** [US/US]; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BALASUBRAMANIAN, Srinivasan** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **BHARADWAJ, Murali** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).
- (74) Agent: **CORIE, Florin C.**; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, 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, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

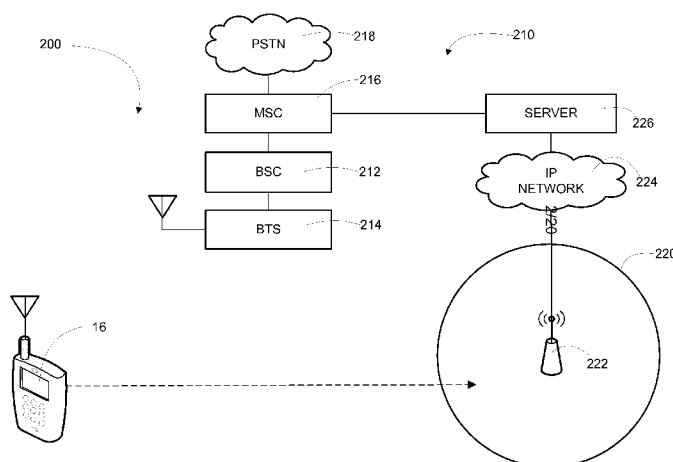
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report

[Continued on next page]

(54) Title: METHODS AND APPARATUS FOR MOBILITY SUPPORT BETWEEN NETWORK DOMAINS



(57) Abstract: Described aspects provide for improving the mobility of wireless communication devices between one network domain and another network domain, specifically, but not limited to, between a Wireless Local Area Network (WLAN) and a cellular network and the like. Present aspects provide for services to be moved seamlessly and in a reliable manner between the cellular and WLAN domains in order to minimize service disruption for the end user and provide the requisite Quality of Service (QoS) for the different applications. The aspects herein presented provide for various mechanisms that serve to improve the decision points related to when and what technology each service is expected to be associated with and provides better techniques to move the wireless communication device between cellular and WLAN domains when in-traffic and when idle.



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

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

4 June 2009