

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 February 2009 (26.02.2009)

PCT

(10) International Publication Number
WO 2009/026162 A1

(51) International Patent Classification:
H04W 12/08 (2009.01)

(21) International Application Number:
PCT/US2008/073341

(22) International Filing Date: 15 August 2008 (15.08.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/965,164 17 August 2007 (17.08.2007) US
12/191,256 13 August 2008 (13.08.2008) 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): **NANDA, Sanjiv** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **REZAIEFAR, Ramin** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **YAVUZ,**

Mehmet [TR/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

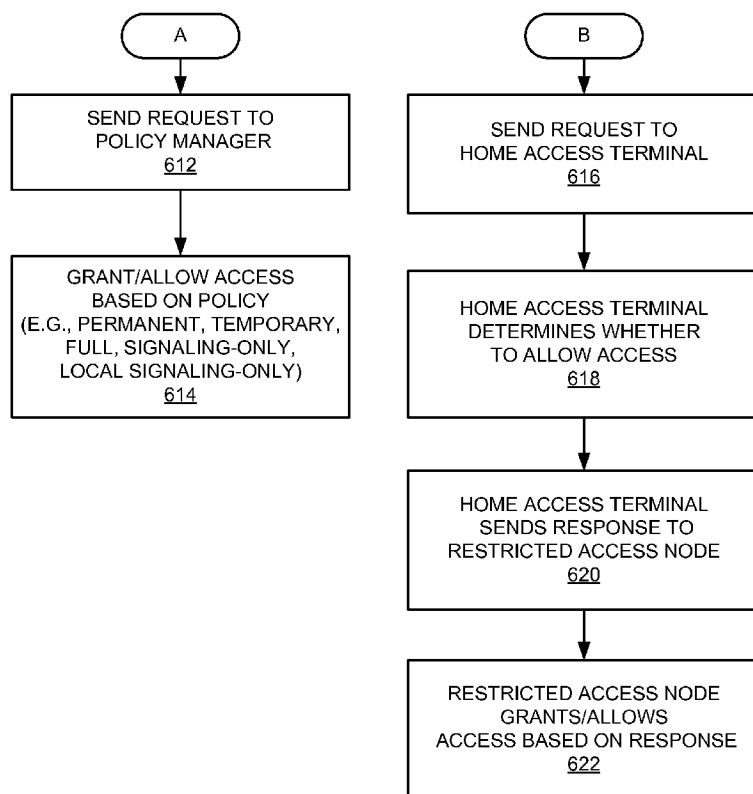
(74) Agent: **CORIE, Florin, C.**; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121 (US).

(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),

[Continued on next page]

(54) Title: ACCESS CONTROL FOR AN AD-HOC SMALL-COVERAGE BASE STATION



(57) Abstract: In some aspect restricted access nodes are assigned to a designated common channel while access terminals that are in active communication with a macro access node may selectively be assigned to the designated channel. In some aspect an access terminal associated with a macro access node may perform a handoff to a different carrier when the access terminal is in the vicinity of a coverage area of a restricted access node. In some aspect an access terminal associated with a macro access node may perform a handoff to a different carrier based on location information. In some aspect access to a restricted access node is controlled based on policy and/or based on operation of an access terminal associated with the restricted access node.

FIG. 6B

WO 2009/026162 A1



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