

(19) World Intellectual Property Organization
International Bureau



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

PCT

(10) International Publication Number
WO 2009/026007 A1

- (51) **International Patent Classification:**
H04W 12/06 (2009.01) *H04L 29/06* (2006.01)
- (21) **International Application Number:**
PCT/US2008/072515
- (22) **International Filing Date:** 7 August 2008 (07.08.2008)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
11/840,910 17 August 2007 (17.08.2007) 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):** **KRISHNASWAMY, Dilip** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **SURI, Atul** [IN/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).
- (74) **Agent:** **TAM, Kam T.**; 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:** METHOD FOR A HETEROGENEOUS WIRELESS AD HOC MOBILE INTERNET ACCESS SERVICE

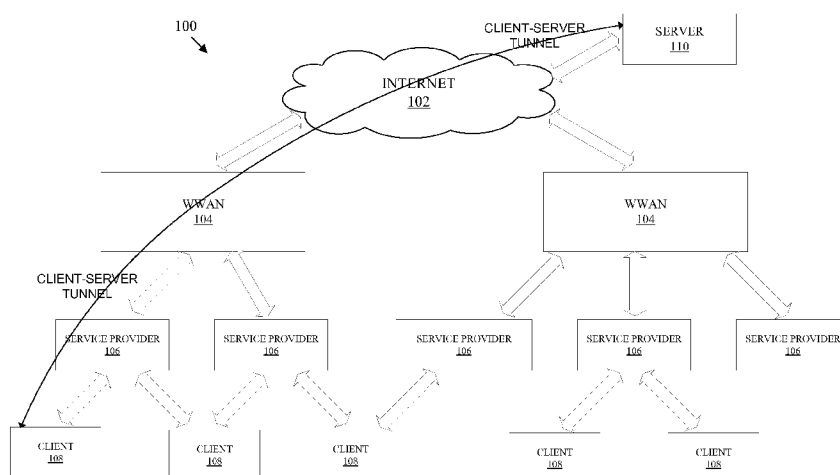


FIG. 1

(57) **Abstract:** A server is configured to authenticate an adhoc service provider to provide a wireless access point to a network for a mobile client, the processing system being further configured to authenticate the mobile client to use service provided by the adhoc service provider, wherein the processing system is further configured to establish a tunnel between the server and the mobile client through the adhoc service provider.

WO 2009/026007 A1



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