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

(19) World Intellectual Property Organization
International Bureau

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

PCT

(10) International Publication Number
WO 2009/026072 A1

(51) International Patent Classification:
H04W 84/18 (2009.01)

(21) International Application Number:
PCT/US2008/073031

(22) International Filing Date: 13 August 2008 (13.08.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/956,658	17 August 2007 (17.08.2007)	US
60/980,575	17 October 2007 (17.10.2007)	US
12/147,231	26 June 2008 (26.06.2008)	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)*: **SURI, Atul** [IN/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **KRISHNASWAMY, Dilip** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **CHARLEBOIS, Mark** [US/US]; 11520 Compass Point Drive, North, Apt. 6, San Diego, CA 92126 (US).

(74) Agent: **TAM, Kam T.**; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, Califonia 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))*

[Continued on next page]

(54) Title: AD HOC SERVICE PROVIDER TOPOLOGY

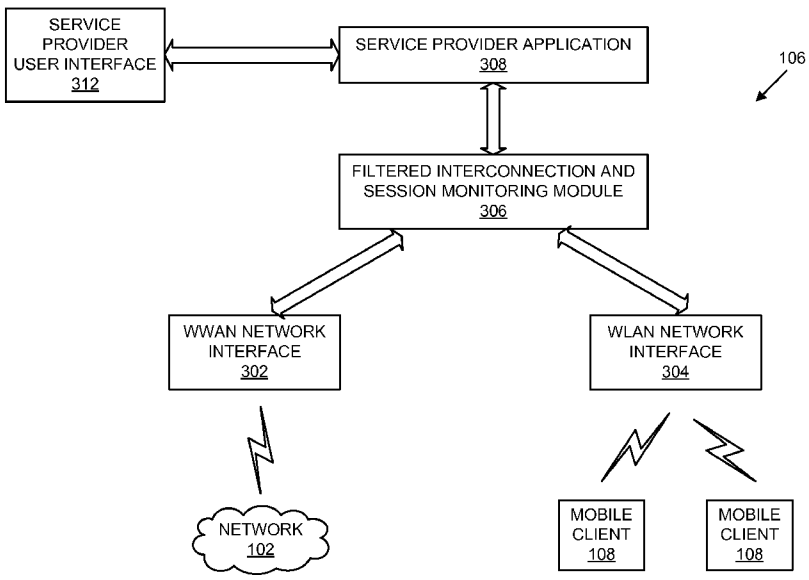


FIG. 3

(57) Abstract: A server includes a processing system configured to register a first ad hoc service provider and to register a second ad hoc service provider. The processing system is further configured to receive from the first ad hoc service provider information regarding the second ad hoc service provider. The information includes service information of the second ad hoc service provider. A method is also provided for a server to acquire or distribute information related to one or more alternate ad hoc service providers.

WO 2009/026072 A1

— *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*