

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number
WO 2005/079002 A1

(51) International Patent Classification⁷: **H04L 12/26**

(21) International Application Number:
PCT/US2005/003563

(22) International Filing Date: 4 February 2005 (04.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/542,496 5 February 2004 (05.02.2004) US

(71) Applicant (for all designated States except US): **QUALCOMM INCORPORATED** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BURROUGHS, Kirk** [US/US]; 174 Canyon Vista Place, Alamo, California 94507 (US).

(74) Agents: **BOYD, Brent, A.** et al.; 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, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

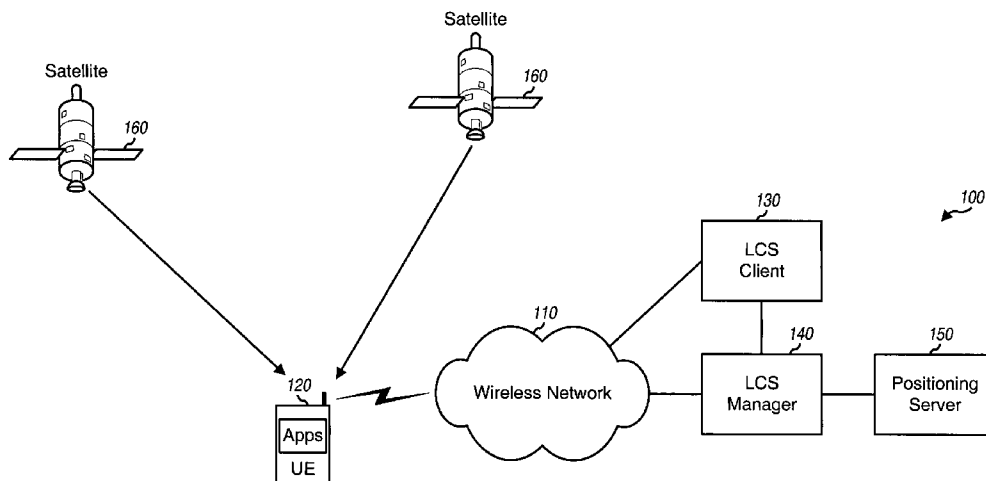
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, 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)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PERFORMING POSITION DETERMINATION WITH A SHORT CIRCUIT CALL FLOW



(57) Abstract: For a call flow to perform position determination, a network (100) sends to a user equipment (UE) (120) an indication (e.g., a request for permission) to perform a position fix for the UE (120). The UE (120) responds by sending to the network an acknowledgment (e.g., a grant of permission) to perform the position fix. The UE (120) selectively sends a position estimate for itself to the network (100), typically along with the acknowledgment. The network (100) may initiate location processing if (1) a position estimate is not received from the UE (120) or (2) a position estimate is received from the UE (120) but the network (100) decides not to use this position estimate. In this case, the network (100) and the UE (120) perform location processing to obtain a position fix for the UE (120). However, if a position estimate is received from the UE (120) and the network (100) decides to use the position estimate, then the location processing is bypassed or short circuited.

WO 2005/079002 A1



Published:

— with international search report

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.