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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 November 2009 (05.11.2009)

PCT

(10) International Publication Number
WO 2009/134908 A1

(51) International Patent Classification:
H04B 1/40 (2006.01) *H04B 1/38* (2006.01)

(21) International Application Number:
PCT/US2009/042144

(22) International Filing Date:
29 April 2009 (29.04.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/049,748 1 May 2008 (01.05.2008) US
12/431,683 28 April 2009 (28.04.2009) US

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

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BHATIA, Ashok** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **FARMER, Dominic, Gerard** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **ROWITCH, Douglas, Neal** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **GROVER, Douglas** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **RAHMAT, Arie** [ID/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **ROW, Chang, Shik** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US).

(74) Agent: **MAYS, Andrea, L.**; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, CA 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, MK, 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:

[Continued on next page]

(54) Title: RADIO FREQUENCY (RF) SIGNAL MULTIPLEXING

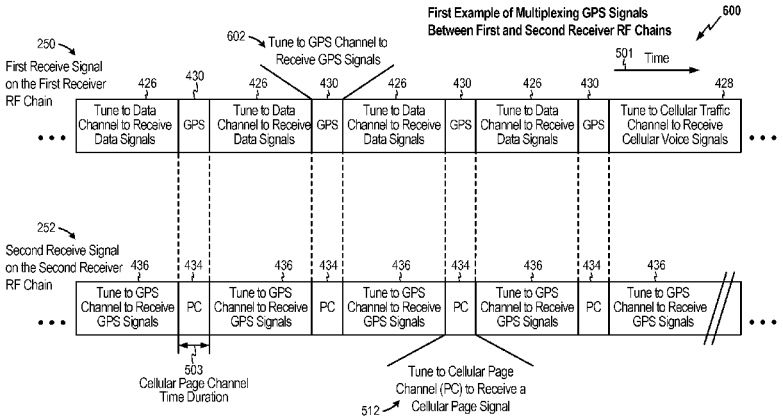

FIG. 6

(57) Abstract: In a radio frequency (RF) receiver, a receiver RF chain is tuned to a first (e.g., global positioning system (GPS)) channel to permit receipt of a first (e.g., GPS) signal over the first (e.g., GPS) channel on the receiver RF chain during a first time duration. The receiver RF chain is tuned to a second (e.g., cellular page) channel to permit receipt of a second (e.g., cellular page) signal over the second (e.g., cellular page) channel on the receiver RF chain during a second time duration, following the first time duration. The first (e.g., GPS) signal is processed during the first time duration and the second time duration, without any apparent interruption of the first (e.g., GPS) signal during the second time duration. The processing, for example, treats the actual interruption as a temporary, short term fade of the first (e.g., GPS) signal during the second time duration, or provides a bridge signal (e.g., an estimated GPS signal on the receiver RF chain or an actual GPS signal received on another receiver RF chain) during the second time duration.

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— *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 (Art. 21(3))*