



(51) International Patent Classification:

H04B 7/00 (2006.01) *H04W* 4/00 (2009.01)
H04W 40/00 (2009.01) *H04W* 88/00 (2009.01)

(21) International Application Number:

PCT/SG2010/000166

(22) International Filing Date:

26 April 2010 (26.04.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

200902831-7 24 April 2009 (24.04.2009) SG

(71) Applicant (for all designated States except US): **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way #20-10, Connexis, Singapore 138632 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **QUEK, Quee Seng Tony** [SG/SG]; c/o PKM, Institute for Infocomm Research, 1 Fusionopolis Way #21-01, Connexis South Tower, Singapore 138632 (SG). **LEI, Zhongding** [SG/SG]; c/o PKM, Institute for Infocomm Research, 1 Fusionopolis Way #21-01, Connexis South Tower, Singapore 138632 (SG). **WONG, Sai Ho** [SG/SG]; c/o PKM, Institute for Infocomm Research, 1 Fusionopolis Way #21-01, Connexis South Tower, Singapore 138632 (SG).

(74) Agent: **GOH, Su Lin, Audrey**; Vierung, Jentschura & Partner LLP, P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

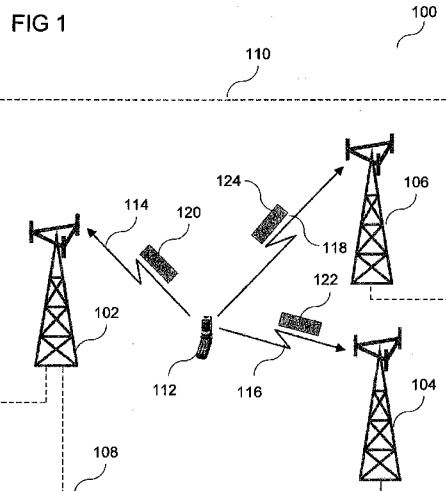
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, 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, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: BASE STATIONS, CELLULAR COMMUNICATION SYSTEMS, METHODS FOR CONTROLLING A BASE STATION, AND METHODS FOR CONTROLLING A CELLULAR COMMUNICATION SYSTEM



(57) Abstract: In various embodiments, a base station may be provided. The base station may include a first determiner configured to determine whether user data has been received from a radio communication terminal by the base station; a second determiner configured to determine whether information from which it may be determined that the user data has been received from the radio communication terminal by another base station has been received from the other base station; and a transmitter configured to transmit to the radio communication terminal information indicating whether at least one of the base station and the other base station has received the user data based on at least one of the result of the determination of the first determiner and the result of the determination of the second determiner.