

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

(19) World Intellectual Property  
Organization  
International Bureau

(43) International Publication Date  
17 October 2019 (17.10.2019)



(10) International Publication Number  
**WO 2019/196906 A1**

- (51) **International Patent Classification:**  
*H04W 24/10* (2009.01)
- (21) **International Application Number:**  
PCT/CN2019/082272
- (22) **International Filing Date:**  
11 April 2019 (11.04.2019)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**  
PCT/CN2018/082984  
13 April 2018 (13.04.2018) CN
- (71) **Applicant: QUALCOMM INCORPORATED** [US/US];  
ATTN: International IP Administration, 5775 Morehouse  
Drive, San Diego, California 92121-1714 (US).
- (72) **Inventors; and**
- (71) **Applicants (for US only): CHENG, Peng** [CN/CN]; 5775  
Morehouse Drive, San Diego, California 92121-1714 (US).  
**LIU, Huichun** [CN/CN]; 5775 Morehouse Drive, San  
Diego, California 92121-1714 (US).
- (74) **Agent: NTD PATENT & TRADEMARK AGENCY  
LTD.**; 10th Floor, Tower C, Beijing Global Trade Center,

36 North Third Ring Road East, Dongcheng District, Bei-  
jing 100013 (CN).

(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, BN, BR, BW, BY, BZ,  
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,  
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,  
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,  
KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,  
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,  
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,  
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, RW, SD, SL, ST, SZ, TZ,  
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,  
TM), European (AL, 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, RS, SE, SI, SK, SM,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
KM, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**  
— of inventorship (Rule 4.17(iv))

(54) **Title:** MEASUREMENT CONFIGURATION FOR GLOBAL CELL IDENTIFIER REPORTING

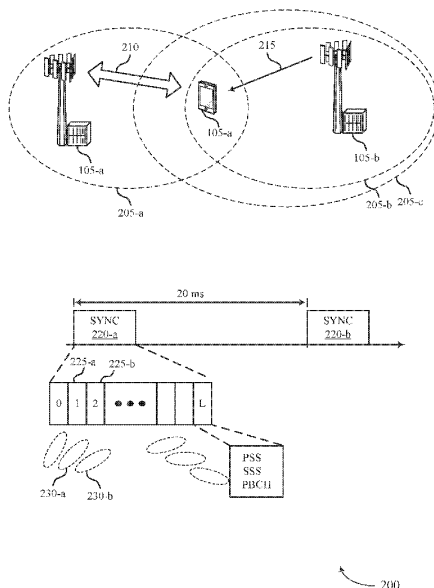


FIG. 2

(57) **Abstract:** A wireless device may receive a first synchronization signal block (SSB) in a radio frequency band of a first cell of a neighbor base station, and report a physical cell identifier (PCI) for the first cell to a serving base station. The serving base station may identify, based on the PCI report, whether a radio frequency band of the first SSB is in or off a synchronization raster, and determine whether to instruct the UE to report a global cell identifier (CGI) for the neighbor base station (e.g., CGI for the neighbor cell) based on the identification. The wireless device may identify CGI based system information obtained from the neighbor cell, system information obtained from a master cell associated with the neighbor base station, system information obtained from CGI broadcast from the neighbor cell, or system information requested from the neighbor cell using dedicated resources, based on the instruction.

WO 2019/196906 A1

[Continued on next page]

**Published:**

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