

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

(19) World Intellectual Property  
Organization  
International Bureau

(43) International Publication Date  
09 April 2020 (09.04.2020)



(10) International Publication Number  
**WO 2020/072156 A1**

(51) International Patent Classification:

*H04L 5/00* (2006.01) *H04W 8/22* (2009.01)  
*H04B 7/00* (2006.01) *H04W 24/10* (2009.01)  
*H04B 17/30* (2015.01)

(21) International Application Number:

PCT/US2019/049106

(22) International Filing Date:

30 August 2019 (30.08.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/739,418 01 October 2018 (01.10.2018) US  
16/555,547 29 August 2019 (29.08.2019) US

(71) Applicant: **QUALCOMM INCORPORATED** [US/US];  
ATTN: International IP Administration, 5775 Morehouse  
Drive, San Diego, California 92121-1714 (US).

(72) Inventors: **ZHOU, Yan**; 5775 Morehouse Drive, San  
Diego, California 92121-1714 (US). **LUO, Tao**; 5775  
Morehouse Drive, San Diego, California 92121 (US). **HE,  
Ruhua**; 5775 Morehouse Drive, San Diego, California  
92121-1714 (US).

(74) Agent: **BELL, Orson J.** et al.; Patterson & Sheridan,  
L.L.P., 24 Greenway Plaza, Suite 1600, Houston, Texas  
77046-2472 (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, 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.

(54) Title: UE INDICATION OF SUPPORTED NUMBER OF TRIGGER STATES

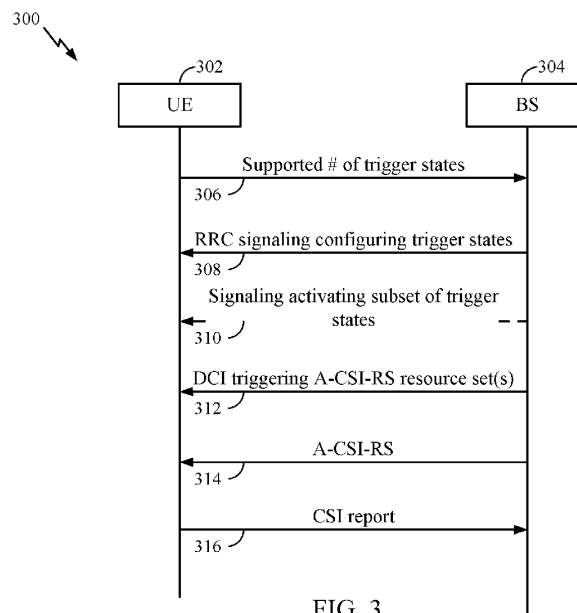


FIG. 3

(57) Abstract: Certain aspects of the present disclosure provide techniques for a user equipment (UE) indication of a capability of the UE for the supported number trigger states. A method that may be performed by the UE includes providing an indication to a base station (BS) of a maximum number of aperiodic trigger states supported by the UE. The UE receives a configuration or activation of aperiodic trigger states from the BS in accordance with the indication. A method that may be performed by a BS includes receiving the indication from the UE and providing a configuration or activation of aperiodic trigger states to the UE in accordance with the indication.

[Continued on next page]

**(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).

**Published:**

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