

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
02 April 2020 (02.04.2020)



(10) International Publication Number
WO 2020/068742 A3

(51) International Patent Classification:

H04L 5/00 (2006.01) H04L 27/26 (2006.01)
H04L 1/00 (2006.01) H04W 72/12 (2009.01)

(21) International Application Number:

PCT/US2019/052588

(22) International Filing Date:

24 September 2019 (24.09.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/735,453 24 September 2018 (24.09.2018) US
16/579,407 23 September 2019 (23.09.2019) US

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

(72) Inventors: **KHOSHNEVISAN, Mostafa**; 5775 Morehouse Drive,
San Diego, California 92121-1714 (US). **SUN, Jing**; 5775 Morehouse Drive,
San Diego, California 92121-1714 (US). **ZHANG, Xiaoxia**; 5775 Morehouse Drive,
San Diego, California 92121-1714 (US).

(74) Agent: **READ, Randol W.** 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.

(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).

(54) Title: TRANSPORT BLOCK SIZE DETERMINATION FOR JOINT TRANSMISSION

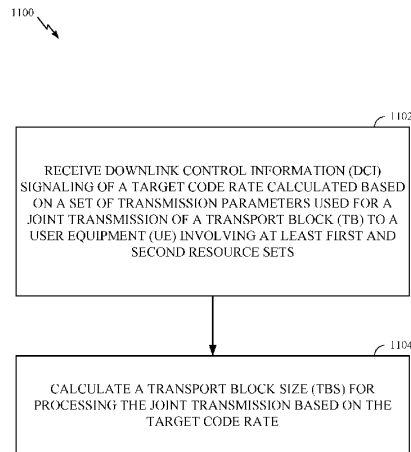


FIG. 11

(57) Abstract: Aspects of the present disclosure relate to wireless communications, and more particularly, to techniques for determining transport block size (TBS) for joint transmissions involving multiple transmission reception points (TRPs). A method for wireless communications by a user equipment (UE), comprises: receiving downlink control information (DCI) signaling of a target code rate calculated based on a set of transmission parameters used for joint transmission of a transport block (TB) to the UE involving at least first and second resource sets; and calculating a transport block size (TBS) for processing the joint transmission based on the target code rate.

WO 2020/068742 A3

[Continued on next page]

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:

14 May 2020 (14.05.2020)