

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
22 May 2020 (22.05.2020)



(10) International Publication Number
WO 2020/099413 A8

(51) International Patent Classification:

H04L 5/00 (2006.01) H04B 7/024 (2017.01)
H04B 7/0452 (2017.01) H04B 7/026 (2017.01)

(21) International Application Number:

PCT/EP2019/081037

(22) International Filing Date:

12 November 2019 (12.11.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

18205761.2 12 November 2018 (12.11.2018) EP

(71) Applicant: PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA [US/US]; 20000 Mariner Avenue, Suite 200, Torrance, California 90503 (US).

(72) Inventors: **BIHAMRI, Ankit**; c/o Panasonic R&D Center Germany GmbH, Monzastraße 4c, 63225 Langen (DE). **SUZUKI, Hidetoshi**; c/o Panasonic Intellectual Property Management Co., Ltd., 1-61, Shiromi 2-chome, Chuo-ku, Osaka-shi, Osaka 540-6207 (JP).

(74) Agent: **GRÜNECKER PATENT- UND RECHTSANWÄLTE PARTG MBB**; Leopoldstrasse 4, 80802 München (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(54) Title: USER EQUIPMENT AND NETWORK NODE INVOLVED IN THE TRANSMISSION OF SIGNALS

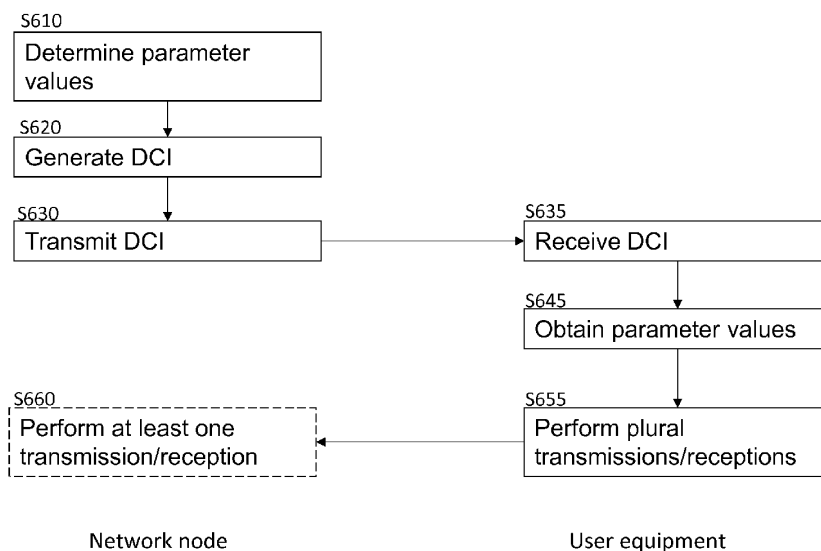


Fig. 6

(57) **Abstract:** The present disclosure relates to a user equipment (UE), a network node, and communication methods respectively for a UE and a network node. The UE comprises a transceiver which, in operation, receives, on a physical downlink control channel (PDCCH), downlink control information (DCI), for scheduling a plurality of transmissions or receptions between the UE and a plurality of transmission and reception points (TRPs), on a plurality of channels, the DCI including one or more indicators indicating one or more respective transmission parameters, and circuitry which, in operation, obtains, based on the one or more indicators and on a configuration, a plurality of values respectively of the one or more transmission parameters. The transceiver, in operation, performs the plurality of transmissions or receptions using a respective one of the plurality of values of the one or more transmission parameters for each of the plurality of transmissions or receptions.

[Continued on next page]

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).

Published:

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

(48) Date of publication of this corrected version:

24 September 2020 (24.09.2020)

(15) Information about Correction:

see Notice of 24 September 2020 (24.09.2020)