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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 August 2025 (28.08.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/176637 A1

(51) International Patent Classification:
H04B 7/06 (2006.01)

(21) International Application Number:
PCT/EP2025/054286

(22) International Filing Date:
18 February 2025 (18.02.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
24158403.6 19 February 2024 (19.02.2024) EP

(71) Applicant: **PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA** [US/US]; 2050 W 190th Street Suite 450, Torrance, California 90504 (US).

(72) Inventors: **ZEINEDDINE, Khalid**; c/o Panasonic R & D Center Germany, Monzastrasse 4c, 63225 Langen (DE). **SUZUKI, Hidetoshi**; c/o Panasonic Holdings Corporation, 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

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

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,

(54) Title: USER EQUIPMENT PARTICIPATING IN A BEAM MANAGEMENT REPORTING PROCEDURE

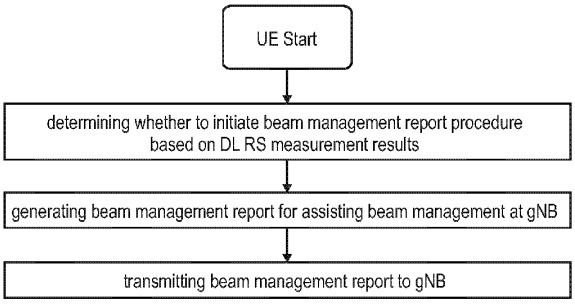


Fig. 8

(57) Abstract: The present disclosure relates to a user equipment comprising the following. A processing circuitry of the UE determines whether to initiate a beam management reporting procedure, based on results of measurements performed by the UE on one or more downlink reference signals. The processing circuitry, in case of determining to initiate the beam management reporting procedure, generates a beam management report comprising information for assisting beam management at a base station for the UE. A transmitter of the UE transmits the generated beam management report to the base station.

WO 2025/176637 A1

[Continued on next page]

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))*

— *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*