



- (51) **International Patent Classification:**
H04L 5/00 (2006.01) *H04L 5/14* (2006.01)
- (21) **International Application Number:**
PCT/IB2025/051328
- (22) **International Filing Date:**
07 February 2025 (07.02.2025)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
63/551,593 09 February 2024 (09.02.2024) US
- (71) **Applicant: LENOVO (SINGAPORE) PTE. LTD.**
[SG/SG]; 151 Lorong Chuan #02-01, New Tech Park, Singapore 556741 (SG).
- (72) **Inventors: GHANBARINEJAD, Majid;** c/o LENOVO (SINGAPORE) PTE. LTD., 151 Lorong Chuan #02-01, New Tech Park, Singapore 556741 (SG). **NANGIA, Vijay;** c/o LENOVO (SINGAPORE) PTE. LTD., 151 Lorong Chuan #02-01, New Tech Park, Singapore 556741 (SG).
- (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, 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:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

- (54) **Title:** CHANNEL STATE INFORMATION REPORTING

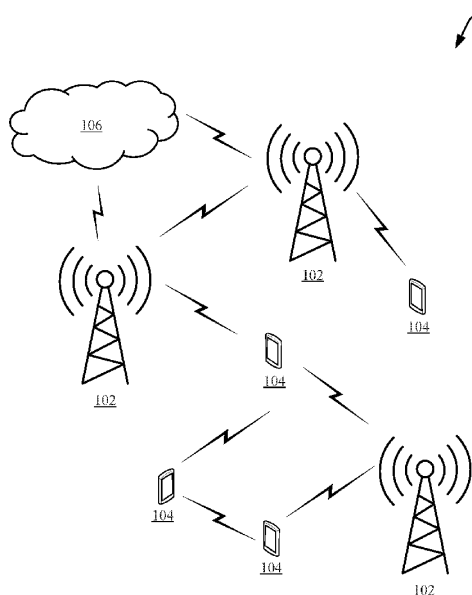


Figure 1

(57) **Abstract:** Various aspects of the present disclosure relate to channel state information (CSI) reporting. An apparatus, such as a user equipment (UE), receives a first signaling configuring a CSI-reference signal (CSI-RS). The first signaling indicates a set of frequency sub-bands within a CSI-RS frequency band. The UE receives a second signaling configuring a CSI report associated with the CSI-RS. A network entity (NE) transmits at least one CSI-RS to the UE, and the UE selectively performs at least one measurement on a subset of frequency sub-bands of the set of frequency subbands within the CSI-RS frequency band based on the first signaling and the second signaling. The UE transmits a third signaling comprising the CSI report based on the second signaling.

[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))
- upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)