



(51) International Patent Classification:

H04B 7/0417 (2017.01) H04B 7/06 (2006.01)  
H04B 7/0456 (2017.01)

(21) International Application Number:

PCT/IB2024/062344

(22) International Filing Date:

06 December 2024 (06.12.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/607,401 07 December 2023 (07.12.2023) US  
18/970,105 05 December 2024 (05.12.2024) US

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

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(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).

(54) Title: CHANNEL STATE INFORMATION (CSI) INCLUDING A PRECODING MATRIX INDICATOR (PMI)

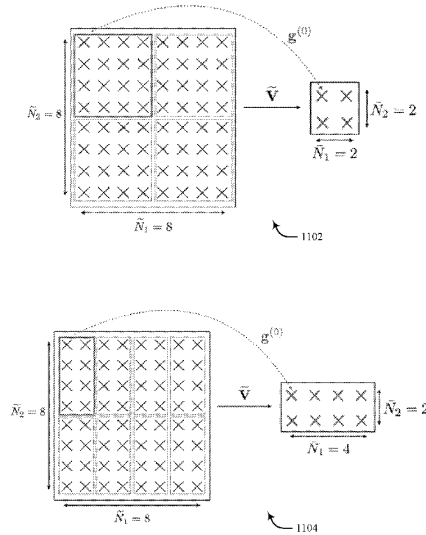


Figure 11

(57) Abstract: Various aspects relate to channel state information (CSI) including a precoding matrix indicator (PMI). An apparatus (e.g., user equipment (UE)) generates a CSI report including a PMI for a precoding matrix and a channel quality indicator (CQI). The precoding matrix corresponds to layers with each layer associated with a spatial beam and a size of the set of layers determined by a rank indicator (RI). The precoding matrix is associated with a subset of CSI reference signal (RS) (CSI-RS) ports, and the PMI and the CQI are each associated with at least one of a wideband format or a subband format, with the subband format corresponding to reporting at least one of the PMI or the CQI for a subset of subbands of a bandwidth part associated with a CSI reporting setting. The apparatus transmits the CSI report including the RI, the PMI, and the CQI to a network entity.

**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))*

**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:**

07 August 2025 (07.08.2025)