Title (en)

DEMODULATION REFERENCE SIGNAL (DMRS) ENHANCEMENTS AND BUNDLING ON PHYSICAL CHANNELS

Title (de)

VERBESSERUNGEN UND BÜNDELUNG VON DEMODULATIONSREFERENZSIGNALEN (DMRS) AUF PHYSIKALISCHEN KANÄLEN

Title (fr)

AMÉLIORATIONS APPORTÉES À DES SIGNAUX DE RÉFÉRENCE DE DÉMODULATION (DMRS) ET GROUPAGE DE CES DERNIERS SUR DES CANAUX PHYSIQUES

Publication

EP 4285675 A1 20231206 (EN)

Application

EP 21843861 A 20211217

Priority

- US 202163144352 P 20210201
- US 202117553597 A 20211216
- US 2021073001 W 20211217

Abstract (en)

[origin: WO2022164591A1] Methods, systems, and devices for wireless communications are described. Generally, a base station may configure a user equipment (UE) to perform demodulation reference signal (DMRS) enhancement whereby the UE may transmit physical uplink shared channel (PUSCH) or physical uplink control channel (PUCCH) repetitions with different DMRS densities (e.g., a first DMRS density configuration having a first or default DMRS pattern within a transmission time interval (TTI) that is higher than a second DMRS density configuration having fewer DMRSs than the normal DMRS pattern or no DMRSs within the TTI). The UE may identify TTIs (e.g., slots) that satisfy one or more phase continuity rules, and may perform DMRS enhancement in the identified TTIs, and may restart a mapping sequence indicated in the DMRS mapping pattern at each bundle interval boundary or when consecutive uplink symbol periods within a bundling interval do not satisfy a phase continuity condition.

IPC 8 full level

H04W 72/12 (2023.01); **H04L 5/00** (2006.01)

CPC (source: EP)

H04L 1/08 (2013.01); **H04L 5/0051** (2013.01); **H04L 5/0094** (2013.01); **H04W 72/23** (2023.01)

Citation (search report)

See references of WO 2022164591A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022164591 A1 20220804; EP 4285675 A1 20231206

DOCDB simple family (application)

US 2021073001 W 20211217; EP 21843861 A 20211217