Title (en)

METHOD AND APPARATUS FOR TRANSMITTING/RECEIVING PHASE TRACKING REFERENCE SIGNAL IN WIRELESS COMMUNICATION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SENDEN/EMPFANGEN EINES PHASENVERFOLGUNGSREFERENZSIGNALS IN EINEM DRAHTLOSKOMMUNIKATIONSSYSTEM

Title (fr)

PROCÉDÉ ET APPAREIL D'ÉMISSION/RÉCEPTION D'UN SIGNAL DE RÉFÉRENCE DE SUIVI DE PHASE DANS UN SYSTÈME DE COMMUNICATION SANS FIL

Publication

EP 4229816 A1 20230823 (EN)

Application

EP 21880265 A 20210426

Priority

• RU 2020133964 A 20201016
• KR 2021005221 W 20210426

Abstract (en)

[origin: WO2022080613A1] The present disclosure relates to a method and an apparatus for transmitting or receiving a downlink phase tracking reference signal (PTRS) and/or uplink PTRS in a wireless communication system. According to an aspect of the present invention, the PTRS is received in one or more PTRS subcarrier groups within a specific scheduled bandwidth. Each PTRS subcarrier group includes one or more active PTRS subcarriers to which a PTRS sequence is mapped and one or more null PTRS subcarriers to which the PTRS sequence is not mapped. The one or more null PTRS subcarriers are determined based on at least one of subcarrier spacing (SCS), and modulation and coding scheme (MCS) for DL data as scheduled by a DCI.

IPC 8 full level

H04L 5/00 (2006.01); **H04L 1/00** (2006.01); **H04L 27/26** (2006.01); **H04W 56/00** (2009.01); **H04W 72/04** (2023.01); **H04W 72/12** (2023.01)

CPC (source: EP)

H04L 1/0025 (2013.01); **H04L 5/005** (2013.01); **H04L 5/0053** (2013.01); **H04L 5/0094** (2013.01); **H04L 27/26025** (2021.01); **H04L 27/261** (2013.01); Y02D 30/70 (2020.08)

Citation (search report)

See references of WO 2022080613A1

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 2022080613 A1 20220421; EP 4229816 A1 20230823

DOCDB simple family (application)

KR 2021005221 W 20210426; EP 21880265 A 20210426