

Title (en)

REPETITION BUNDLE SIZE INDICATION FOR UPLINK TRANSMISSIONS IN A 5G NR NETWORK

Title (de)

WIEDERHOLUNGSBÜNDELGRÖSSENANZEIGE FÜR UPLINK-ÜBERTRAGUNGEN IN EINEM 5G-NR-NETZWERK

Title (fr)

INDICATION DE TAILLE DE FAISCEAU DE RÉPÉTITIONS POUR DES TRANSMISSIONS DE LIAISON MONTANTE DANS UN RÉSEAU NR 5G

Publication

**EP 4201007 A1 20230628 (EN)**

Application

**EP 21858822 A 20210809**

Priority

- US 202063067637 P 20200819
- US 202163138100 P 20210115
- US 2021045236 W 20210809

Abstract (en)

[origin: WO2022039959A1] A user equipment (UE) indicated for repetition of an uplink channel may determine a size of a repetition bundle and apply a same precoder and transmit power for each repetition of the uplink channel transmitted within the repetition bundle. The UE may determine whether to switch to a new precoder for uplink channel transmissions after a repetition bundle boundary or to continue to use the same precoder for the uplink channel transmissions after the repetition bundle boundary. The uplink channel may be a physical uplink shared channel (PUSCH) or physical uplink control channel (PUCCH). The repetition bundle is a time-domain window during which the UE maintains power consistency and phase continuity for transmission of each repetition of the uplink channel within the repetition bundle to allow a gNB to perform joint channel estimation.

IPC 8 full level

**H04L 1/00** (2006.01); **H04L 1/08** (2006.01); **H04L 5/00** (2006.01); **H04L 25/02** (2006.01); **H04W 52/14** (2009.01); **H04W 72/04** (2023.01); **H04W 72/12** (2023.01)

CPC (source: EP)

**H04B 17/327** (2015.01); **H04L 1/08** (2013.01); **H04L 5/0048** (2013.01); **H04L 25/0204** (2013.01); **H04L 25/0224** (2013.01); **H04W 52/48** (2013.01)

Citation (search report)

See references of WO 2022039959A1

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)

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DOCDB simple family (application)

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