

Title (en)

TRANSMIT POWER CONTROL FOR MULTI-RELAY NETWORKS

Title (de)

SENDELEISTUNGSREGELUNG FÜR MEHRFACHRELAISNETZE

Title (fr)

COMMANDE DE PUISSANCE D'ÉMISSION POUR RÉSEAUX MULTI-RELAIS

Publication

**EP 4285649 A1 20231206 (EN)**

Application

**EP 21703323 A 20210129**

Priority

IB 2021050736 W 20210129

Abstract (en)

[origin: WO2022162425A1] According to some embodiments, a control node for a multi-carrier based system is provided. The multi-carrier system includes a plurality of relay nodes for communicating with a plurality of TR nodes. The control node includes processing circuitry configured to determine a plurality of instances of information related to 5 channel state, determine a transmit power allocation for each of the plurality of TR nodes based at least on the plurality of instances of information, determine respective filter weights for filtering and retransmitting at each of the plurality of relay nodes based at least on the plurality of instances of information, transmit each of the respective filter weights for implementation by the plurality of relay nodes, and 10 transmit at least one transmit power allocation for implementation by at least one of the plurality of TR nodes.

IPC 8 full level

**H04W 52/24** (2009.01); **H04W 52/46** (2009.01)

CPC (source: EP)

**H04W 52/241** (2013.01); **H04W 52/46** (2013.01)

Citation (search report)

See references of WO 2022162425A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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