

Title (en)
ENABLING BEAM DIVERSITY FOR UPLINK CONTROL INFORMATION TRANSMISSION ON A PHYSICAL UPLINK CONTROL CHANNEL

Title (de)
AKTIVIERUNG VON STRAHLDIVERSITÄT ZUR UPLINK-STEUERUNGSINFORMATIONENÜBERTRAGUNG AUF EINEM PHYSIKALISCHEN UPLINK-STEUERKANAL

Title (fr)
ACTIVATION DE DIVERSITÉ DE FAISCEAU POUR UNE TRANSMISSION D'INFORMATIONS DE COMMANDE DE LIAISON MONTANTE SUR UN CANAL DE COMMANDE DE LIAISON MONTANTE PHYSIQUE

Publication
EP 4150782 A2 20230322 (EN)

Application
EP 21727246 A 20210514

Priority
• US 202063024567 P 20200514
• IB 2021054149 W 20210514

Abstract (en)
[origin: WO2021229525A2] A RAN node configures a UE with a set of reference signals in correspondence with respective beamforming configurations; configures the UE with a set of uplink physical channel resources used for repetition coding; configures the UE with a spatial association between the set of uplink physical channel resources and the set of reference signals; and receives uplink data encoded for repetition over part or whole of the set of uplink physical channel resources using the respective beamforming configurations. The RAN node also configures a UE with a set of reference signals in correspondence with respective beamforming configurations; but then receives a minimum time gap from the UE for switching between different transmit beamforming configurations of the UE corresponding to the respective beamforming configurations; and schedules a set of uplink physical channel resources used for repetition coding and using the respective beamforming configurations in accordance with the received minimum time gap.

IPC 8 full level
H04B 7/06 (2006.01); **H04B 7/08** (2006.01); **H04W 72/04** (2009.01)

CPC (source: EP)
H04B 7/0695 (2013.01); **H04B 7/088** (2013.01); **H04L 1/06** (2013.01); **H04L 1/08** (2013.01); **H04L 5/0025** (2013.01); **H04L 5/0053** (2013.01); **H04W 88/085** (2013.01)

Citation (search report)
See references of WO 2021229525A2

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

DOCDB simple family (publication)
WO 2021229525 A2 20211118; **WO 2021229525 A3 20211223**; EP 4150782 A2 20230322

DOCDB simple family (application)
IB 2021054149 W 20210514; EP 21727246 A 20210514