

Title (en)
PHASE-ALIGNMENT IN A DISTRIBUTED MIMO COMMUNICATION SYSTEM

Title (de)
PHASENAUSRICHTUNG IN EINEM VERTEILTEN MIMO-KOMMUNIKATIONSSYSTEM

Title (fr)
ALIGNEMENT DE PHASE DANS UN SYSTÈME DE COMMUNICATION MIMO DISTRIBUÉ

Publication
EP 4335038 A1 20240313 (EN)

Application
EP 21724249 A 20210505

Priority
EP 2021061830 W 20210505

Abstract (en)
[origin: WO2022233406A1] There is provided mechanisms for phase -alignment between antenna panels at different APs in a distributed MIMO communication system. Each of the antenna panels comprises multiple antenna elements calibrated for uplink-downlink reciprocity. A method is performed by a first AP of the APs. The method comprises determining a reference phase rotation of a second reference signal received from a second AP of the APs. The method comprises transmitting a third reference signal towards the second AP. The third reference signal is phase adjusted with a phase adjustment factor determined from the reference phase rotation.

IPC 8 full level
H04B 7/024 (2017.01); **H04B 17/12** (2015.01); **H04W 56/00** (2009.01)

CPC (source: EP)
H04B 7/024 (2013.01); **H04B 17/12** (2015.01); **H04B 17/24** (2015.01)

Citation (search report)
See references of WO 2022233406A1

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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