

Title (en)

WIRELESS MULTI-ANTENNA TRANSCEIVER WITH AUTOMATIC BORESIGHT CALIBRATION

Title (de)

DRAHTLOSER MEHRANTENNEN-SENDER-EMPFÄNGER MIT AUTOMATISCHER VISIERKALIBRIERUNG

Title (fr)

ÉMETTEUR-RÉCEPTEUR MULTIANTENNE SANS FIL À ÉTALONNAGE AUTOMATIQUE DE POINTAGE

Publication

**EP 4196812 A1 20230621 (EN)**

Application

**EP 20838075 A 20201222**

Priority

EP 2020087607 W 20201222

Abstract (en)

[origin: WO2022135692A1] A wireless multi-antenna transceiver (110) for communication with a plurality of further wireless transceivers, including a plurality of neighboring wireless multi-antenna transceivers (120a-d), is disclosed. The transceiver (110) comprises a communication interface (113) comprising a plurality of antennas (113a,b) configured to receive channel state information from each of the plurality of neighboring wireless multi-antenna transceivers (120a-d). Moreover, the transceiver (110) comprises a processing circuitry (111) configured to obtain position information about a respective position of the plurality of neighboring wireless multi- antenna transceivers (120a-d). The processing circuitry (111) is further configured to determine a boresight orientation, in particular a boresight angle of the plurality of antennas (113a,b) used for a future data exchange based on the channel state information and the position information.

IPC 8 full level

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CPC (source: EP)

**G01S 3/023** (2013.01); **G01S 5/0009** (2013.01); **G01S 5/0247** (2013.01); **G01S 3/48** (2013.01)

Citation (search report)

See references of WO 2022135692A1

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DOCDB simple family (publication)

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