

Title (en)

VEHICLE WITH OPTIMIZED SYSTEM FOR TRANSCIVING DATA

Title (de)

FAHRZEUG MIT OPTIMIERTEM SYSTEM ZUM SENDEN UND EMPFANGEN VON DATEN

Title (fr)

VÉHICULE AVEC SYSTÈME OPTIMISÉ D'ÉMISSION-RÉCEPTION DE DONNÉES

Publication

EP 4047743 A3 20221102 (EN)

Application

EP 22157411 A 20220218

Priority

IT 202100003866 A 20210219

Abstract (en)

Vehicle (100) comprising a system (200) for transceiving data on board the vehicle itself, characterised in that the said system (200) for transceiving data comprises at least a first set of millimeter-wave antennas (1) for transceiving data in the 5G frequency band, and wherein, relative to a first and second planes (E, F) perpendicular to each other that virtually divide the vehicle (100) into four quadrants (A, B, C, D), the at least one first set of millimeter-wave antennas (1) comprises at least four antennas (1) which are installed each in a corresponding quadrant of said four quadrants (A, B, C, D).

IPC 8 full level

H01Q 1/32 (2006.01); **H01Q 5/30** (2015.01); **H01Q 9/04** (2006.01); **H01Q 19/00** (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/20** (2006.01); **H01Q 21/28** (2006.01)

CPC (source: EP)

H01Q 1/3208 (2013.01); **H01Q 1/3283** (2013.01); **H01Q 5/30** (2015.01); **H01Q 9/0457** (2013.01); **H01Q 19/005** (2013.01); **H01Q 21/065** (2013.01); **H01Q 21/205** (2013.01); **H01Q 21/28** (2013.01)

Citation (search report)

- [XAI] US 2020185819 A1 20200611 - KIM YONGKON [KR], et al
- [XAI] US 2018288672 A1 20181004 - SAI SEII [JP]
- [IAY] EP 1612954 A2 20060104 - SIEMENS AG [DE]
- [Y] DE 102013021819 A1 20150625 - VALEO SCHALTER & SENSOREN GMBH [DE]
- [XPI] WO 2021133408 A1 20210701 - INTEL CORP [US]

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

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