Title (en)

UWB MODULE UNIT FOR A VEHICLE

Title (de)

UWB-MODULEINHEIT FÜR EIN FAHRZEUG

Title (fr)

UNITÉ MODULAIRE ULB POUR VÉHICULE

Publication

EP 4226504 A1 20230816 (DE)

Application

EP 21790835 A 20211008

Priority

- DE 102020126533 A 20201009
- EP 2021077846 W 20211008

Abstract (en)

[origin: WO2022074187A1] The invention relates to a module unit (100), in particular a module unit which is combined, can be individually handled and/or is cohesive, preferably in the form of a multifunctional unit, preferably in the form of a hardware unit, for providing different vehicle functions (F) for a vehicle (200), having: at least one circuit board (10) on which the following elements are arranged: a UWB antenna (1) for communication (K) and/or detection (D), wherein different vehicle functions (F) can be activated depending on the communication (K) and/or detection (D), a UWB transceiver (3) for transmitting and/or receiving electrical signals of the UWB antenna (1) which are specific for the communication (K) and/or detection (D), a processing device (4) for controlling the UWB transceiver (3) for the communication (K) and/or detection (D) by the UWB antenna (1), and an interface (5) for transferring at least one result of the communication (K) and/or detection (D) to a vehicle-side control device (201) in order to trigger the different vehicle functions (F) depending on the communication (K) and/or detection (D).

IPC 8 full level

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CPC (source: EP)

H04B 1/16 (2013.01); **H04B 1/3822** (2013.01); **H04B 1/40** (2013.01)

Citation (search report)

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