

Title (en)

METHOD AND DEVICE FOR DETERMINING A HIGHLY PRECISE POSITION AND FOR OPERATING AN AUTOMATED VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BESTIMMEN EINER HOCHGENAUEN POSITION UND ZUM BETREIBEN EINES AUTOMATISIERTEN FAHRZEUGS

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT DE DÉTERMINER UNE POSITION TRÈS PRÉCISE D'UN VÉHICULE AUTOMATISÉ ET DE LE FAIRE FONCTIONNER

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Application

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Abstract (en)

[origin: WO2019037940A1] The invention relates to a method (300) and to a device (110) for determining (340) a highly precise position (150) and for operating (350) an automated vehicle (100), comprising a step of receiving (310) map data values from an external server (210), which represent a map, the map comprising weather-specific features of the surroundings (220), a step of determining a weather-specific condition of the surroundings, a step of recording data values of the surroundings, the data values of the surroundings representing surroundings (200) of the automated vehicle (100), the surroundings (200) comprising dynamic features of the surroundings (230), a step of determining (340) the highly precise position (150), based on a balancing between the weather-specific features of the surroundings (220) and the dynamic features of the surroundings (230), depending upon the weather-specific condition of the surroundings, and a step of operating the automated vehicle (100), depending upon the highly precise position (150).

IPC 8 full level

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