

Title (en)

CAR-TO-INFRASTRUCTURE PARKING SPACE DETECTION SYSTEM FOR A MOTOR VEHICLE

Title (de)

CAR-TO-INFRASTRUCTURE PARKLÜCKENERKENNUNGSSYSTEM FÜR EIN KRAFTFAHRZEUG

Title (fr)

SYSTÈME DE RECONNAISSANCE DE PLACE DE STATIONNEMENT ENTRE VOITURE ET INFRASTRUCTURE POUR UN VÉHICULE AUTOMOBILE

Publication

EP 3552145 A1 20191016 (DE)

Application

EP 17807820 A 20171127

Priority

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- EP 2017080497 W 20171127

Abstract (en)

[origin: WO2018108504A1] The invention relates to a parking space detection system (13) for a motor vehicle (1), having a sensor device (3) configured to sense at least one surface (6a, 6b), running in a direction of travel (F) of the motor vehicle (1), of at least one object (7a, 7b) in surroundings of the motor vehicle (1) and having a computation device (8) configured to detect a gap (9) between two sensed surfaces (6a, 6b) running in the direction of travel (F) as a potential parking space having an associated parking space position, which may be at least one parallel parking space (10) or at least one perpendicular parking space (11a, 11b), and having a memory device (12) configured to identify the detected potential parking space on the basis of a piece of parking space information, stored for the parking space position, as a parallel parking space (10) or as a perpendicular parking space (11a, 11b) or potential parking space, in order to increase the accuracy of parking space detection by a motor vehicle (1).

IPC 8 full level

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CPC (source: EP US)

G06V 20/586 (2022.01 - EP US); **G08G 1/168** (2013.01 - EP US); **B60R 2300/806** (2013.01 - US)

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See references of WO 2018108504A1

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