

Title (en)
METHOD AND DEVICE FOR DETECTING PARKING SPACES EXTENDING BETWEEN OBJECTS ARRANGED Laterally AT THE EDGE OF A CARRIAGEWAY

Title (de)
VERFAHREN UND VORRICHTUNG ZUR DETEKTION VON SICH ZWISCHEN SEITLICH AN EINEM FAHRBAHN RAND ANGEORDNETEN OBJEKTEN ERSTRECKENDEN PARKLÜCKEN

Title (fr)
PROCÉDÉ ET DISPOSITIF DE DÉTECTION D'EMPLACEMENTS DE STATIONNEMENT QUI S'ÉTENDENT ENTRE DES OBJETS DISPOSÉS LATÉRALEMENT EN BORDURE D'UNE VOIE DE CIRCULATION

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Abstract (en)
[origin: WO2016023764A1] The present invention relates to a method for detecting parking spaces extending between objects arranged laterally at the edge of a carriageway, in which method ultrasonic pulses are transmitted by means of an ultrasonic sensor (20) mounted laterally on the vehicle (10) while said vehicle (10) drives past objects (30, 40), ultrasonic pulses which are transmitted, reflected at the objects (30, 40) and referred to as echo-pulses are received and electrical reception signals are generated from the received echo pulses. In this context, the electrical reception signals are evaluated in order to detect parking spaces extending between the objects (30, 40). In addition, during bandpass filtering of first reception signals of the reception signals, those reception signals of the first reception signals which originate from echo pulses which are not Doppler-shifted with respect to the transmitted ultrasonic pulses are let through. Also, those reception signals of the first reception signals which are let through during the first bandpass filtering are evaluated in order to detect object edges and/or object corners (31, 41) of the objects (30, 40) which are located on a side of the objects (30, 40) which faces the carriageway.

IPC 8 full level
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Citation (search report)
See references of WO 2016023764A1

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