

Title (en)  
METHOD FOR DETECTING AT LEAST ONE OBJECT IN A SURROUNDING REGION OF A MOTOR VEHICLE BY MEANS OF AN ULTRASONIC SENSOR, DRIVER ASSISTANCE SYSTEM, AND MOTOR VEHICLE

Title (de)  
VERFAHREN ZUM ERKENNEN ZUMINDEST EINES OBJEKTS IN EINEM UMGEBUNGSBEREICH EINES KRAFTFAHRZEUGS MITTELS EINES ULTRASCHALLSENSORS, FAHRERASSISTENZSYSTEM SOWIE KRAFTFAHRZEUG

Title (fr)  
PROCÉDÉ DE RECONNAISSANCE D'AU MOINS UN OBJET DANS UNE ZONE ENVIRONNANTE D'UN VÉHICULE AUTOMOBILE AU MOYEN D'UN CAPTEUR À ULTRASONS, SYSTÈME D'AIDE À LA CONDUITE ET VÉHICULE AUTOMOBILE

Publication  
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Application  
**EP 15747790 A 20150804**

Priority  
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Abstract (en)  
[origin: WO2016020343A1] The invention relates to a method for detecting at least one object (9, 10) in a surrounding region (7) of a motor vehicle (1), in which the motor vehicle (1) is moved in relation to at least one object (9, 10) and a measurement cycle is performed at each of a plurality of consecutive times during the movement of the motor vehicle (1) in relation to the at least one object (9, 10). In each measurement cycle an ultrasonic signal is sent out by means of an ultrasonic sensor (4) of the motor vehicle (1) and a characteristic (14) is determined. Said characteristic describes a position value, which describes a position of the at least one object (9, 10) and is determined on the basis of a first received echo of the ultrasonic signal, and said characteristic describes a presence of a second echo of the ultrasonic signal that is received within a predetermined duration after the first echo. The characteristics (14) are associated with a cluster (13) on the basis of the position value of the characteristics, and the characteristics (14) of the cluster (13) are signaled as belonging to the at least one object (9, 10) in dependence on the presence of the second echo.

IPC 8 full level  
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Citation (search report)  
See references of WO 2016020343A1

Cited by  
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