

Title (en)

DRIVER ASSISTANCE DEVICE HAVING AN ULTRASONIC SENSOR, MOTOR VEHICLE AND METHOD FOR OPERATING AN ULTRASONIC SENSOR

Title (de)

FAHRERASSISTENZEINRICHTUNG MIT EINEM ULTRASCHALLSENSOR, KRAFTFAHRZEUG UND VERFAHREN ZUM BETREIBEN EINES ULTRASCHALLSENSORS

Title (fr)

SYSTÈME D'AIDE À LA CONDUITE ÉQUIPÉ D'UN CAPTEUR D'ULTRASON, VÉHICULE AUTOMOBILE ET PROCÉDÉ D'UTILISATION D'UN CAPTEUR D'ULTRASON

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Application

EP 13702450 A 20130201

Priority

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Abstract (en)

[origin: WO2013120706A1] The invention relates to a driver assistance device (2) for a motor vehicle (1), having an ultrasonic sensor (3) which has a diaphragm (7) for emitting ultrasonic waves and an oscillator (10) for generating an oscillator signal (9) to excite the diaphragm (7), and having a control device (4) for actuating the ultrasonic sensor (3), wherein the oscillator (10) is a temperature-dependent oscillator (10), with the result that the frequency of the oscillator signal (9) is dependent on the ambient temperature of the ultrasonic sensor (3), and the control device (4) is designed to determine the ambient temperature on the basis of a sensor signal (12), generated on the basis of the oscillator signal (9), of the ultrasonic sensor (3).

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

See references of WO 2013120706A1

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