

Title (en)

METHOD FOR OPERATING AN ULTRASONIC SENSOR OF A MOTOR VEHICLE WHEN EMITTING A TRANSMISSION SIGNAL, ULTRASONIC SENSOR APPARATUS AND MOTOR VEHICLE

Title (de)

VERFAHREN ZUM BETREIBEN EINES ULTRASCHALLSENSORS EINES KRAFTFAHRZEUGS BEIM AUSSENDEN EINES SENDESIGNALS, ULTRASCHALLSENSORVORRICHTUNG UND KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN CAPTEUR D'ULTRASON D'UN VÉHICULE AUTOMOBILE LORS DE L'ÉMISSION D'UN SIGNAL D'ÉMISSION, DISPOSITIF DE DÉTECTION D'ULTRASON ET VÉHICULE AUTOMOBILE

Publication

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Application

**EP 14750460 A 20140807**

Priority

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Abstract (en)

[origin: WO2015039805A1] The invention relates to a method for operating an ultrasonic sensor of a motor vehicle (1) when emitting a transmission signal in an area surrounding the motor vehicle (1), characterized by estimating a Doppler shift (fD) which is presumably experienced by the transmission signal in the surrounding area, by stipulating a transmission frequency (fS) for the transmission signal such that a reception frequency (fE) of a reception signal, which corresponds to the transmission frequency (fS) shifted by the estimated Doppler shift (fD), is in a predefined range of frequency values, in particular corresponds to a basic transmission frequency (fB), and by emitting the transmission signal at the stipulated transmission frequency (fS).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2015039805A1

Citation (examination)

- DE 102006032542 A1 20080117 - BOSCH GMBH ROBERT [DE]
- DE 102011109830 A1 20130214 - VALEO SCHALTER & SENSOREN GMBH [DE]

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