

Title (en)

SURROUNDINGS-SENSING SYSTEM HAVING AN ULTRASONIC TRANSDUCER, AND A MOTOR VEHICLE HAVING SUCH A SURROUNDINGS-SENSING SYSTEM

Title (de)

UMFELDSSENSIEREINRICHTUNG MIT ULTRASCHALLWANDLER, UND KRAFTFAHRZEUG MIT EINER DERARTIGEN UMFELDSSENSIEREINRICHTUNG

Title (fr)

DISPOSITIF DE DÉTECTION D'ENVIRONNEMENT COMPRENANT UN TRANSDUCTEUR ULTRASONORE ET VÉHICULE AUTOMOBILE ÉQUIPÉ D'UN DISPOSITIF DE DÉTECTION D'ENVIRONNEMENT DE CE TYPE

Publication

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Application

**EP 14727792 A 20140526**

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Abstract (en)

[origin: WO2014202333A1] The present invention discloses a surroundings-sensing system having an ultrasonic transducer that has at least one transducer element and at least one resonance body, and having a membrane for sound transmission, the surroundings-sensing system according to the invention being designed to transmit and/or receive ultrasound signals. The resonance body has a front body and a rear body and is coupled to the membrane at an end face of the front body, the end face of the front body coupled to the membrane being planar. Furthermore, the present invention discloses a motor vehicle having a bumper, side mirror or door section and at least one surroundings-sensing system of this type, the membrane of the surroundings-sensing system being formed by an outer shell of the bumper, the side mirror or the door section, and the ultrasonic transducer being hidden behind the outer shell.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2014202333A1

Citation (examination)

US 2009243886 A1 20091001 - ECCARDT PETER-CHRISTIAN [DE], et al

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