

Title (en)

DEFORMATION COLLISION SENSOR AND METHOD FOR TESTING THE FUNCTION THEREOF

Title (de)

DEFORMATIONS-KOLLISIONSSENSOR UND VERFAHREN ZUR ÜBERPRÜFUNG VON DESSEN FUNKTION

Title (fr)

DÉTECTEUR DE COLLISION À DÉFORMATION ET PROCÉDÉ DE CONTRÔLE DE SON FONCTIONNEMENT

Publication

**EP 2247471 A2 20101110 (DE)**

Application

**EP 09706095 A 20090117**

Priority

- EP 2009000284 W 20090117
- DE 102008008082 A 20080129

Abstract (en)

[origin: WO2009095165A2] A deformation collision sensor (10) comprises a deformable hollow space (12), with at least one acoustic sensor element (22) connected to the hollow space (12), with an evaluation unit (26) connected to the sensor element (22), and with a thermoacoustic actuator (24) connected to the hollow space (12) for coupling preferably standing sound waves (25) into the hollow space (12). The evaluation unit (26) is designed for evaluating signals (23) that are created in the sensor element (22) by the sound waves (25). The acoustic actuator (24) preferably emits sound waves (25) in the frequency range between 5 and 500 Hz.

IPC 8 full level

**B60R 21/0136** (2006.01)

CPC (source: EP)

**B60R 21/0136** (2013.01); **B60R 2021/01006** (2013.01)

Citation (search report)

See references of WO 2009095165A2

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DOCDB simple family (publication)

**WO 2009095165 A2 20090806; WO 2009095165 A3 20091015**; DE 102008008082 A1 20090813; DE 102008008082 B4 20091210; EP 2247471 A2 20101110

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