Title (en)

DEVICE FOR DETECTING THE CHARACTERISTICS OF AN IMPACT INTO A MOTOR VEHICLE

Title (de)

VORRICHTUNG ZUR DETEKTION DER CHARAKTERISTIK EINES AUFPRALLS AUF EIN KRAFTFAHRZEUG

Title (fr)

DISPOSITIF DE DÉTECTION DE LA CARACTÉRISTIQUE D'UN IMPACT SUR UN VÉHICULE À MOTEUR

Publication

EP 2279100 A1 20110202 (DE)

Application

EP 09735903 A 20090320

Priority

- EP 2009053318 W 20090320
- DE 102008020186 A 20080422

Abstract (en)

[origin: WO2009130097A1] The invention relates to a device for the detection of the characteristics of an impact into a motor vehicle. The invention comprises at least one signal generating unit (1, 2) for generating a defined acoustic impulse sequence depending on the speed of the impact, particularly a structure-borne acoustic impulse sequence due to a deformation of a chassis component (3, 4, 5, 6, 7) of the motor vehicle, wherein the acoustic impulse sequence is generated by means of a mechanical activation of the signal generating device (1, 2) caused by the deformation. The invention further comprises a sensor system (9) for detecting the defined acoustic impulse sequence. Finally, the invention comprises an analysis unit (10) for analyzing the signals supplied by the sensor system (9) such that information can be supplied on the characteristics of the impact.

IPC 8 full level

B60R 21/0136 (2006.01)

CPC (source: EP US)

B60R 19/483 (2013.01 - EP US); **B60R 21/0136** (2013.01 - EP US); **G01M 17/007** (2013.01 - EP US); **G01M 17/0078** (2013.01 - EP US); B60R 2021/01302 (2013.01 - EP US)

Citation (search report)

See references of WO 2009130097A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008020186 A1 20091029; **DE 102008020186 B4 20100107**; EP 2279100 A1 20110202; US 2011071733 A1 20110324; US 8532883 B2 20130910; WO 2009130097 A1 20091029

DOCDB simple family (application)

DE 102008020186 A 20080422; EP 09735903 A 20090320; EP 2009053318 W 20090320; US 98930009 A 20090320