

Title (en)

VEHICLE SENSOR FOR DETECTING ACCELERATION AND IMPACT SOUND

Title (de)

FAHRZEUGSENSOR ZUR ERFASSUNG EINER BESCHLEUNIGUNG UND VON KÖRPERSCHALL

Title (fr)

CAPTEUR DE VEHICULE POUR DETERMINER UNE ACCELERATION ET UN BRUIT DE STRUCTURE

Publication

EP 1671086 A1 20060621 (DE)

Application

EP 04789946 A 20041008

Priority

- DE 2004002237 W 20041008
- DE 10346871 A 20031009
- DE 10346870 A 20031009
- DE 10346868 A 20031009
- DE 10346869 A 20031009
- DE 10346860 A 20031009
- DE 10346866 A 20031009
- DE 10346864 A 20031009
- DE 10347270 A 20031011
- DE 10347268 A 20031011

Abstract (en)

[origin: WO2005036108A1] The invention relates to a vehicle sensor (4) which can detect oscillations in frequency ranges caused by acceleration and impact sound. Said sensor comprises at least one measuring sensor (4.1) which can detect acceleration and structure-borne noise, a carrier (4.3) which is used to fix the measuring sensor (4.1) to a vehicle, a sensor housing, a seismic material (4.4) which is used to detect acceleration and a processing unit which is used to treat measuring value sensor signals (4.2). The at least one measuring sensor (4.1) is applied to the carrier (4.3) by a connection. The connection, which is used to apply the at least one measuring sensor (4.1) to the carrier (4.3) in a nonpositive fit, detects acceleration and structure-borne noise. The carrier (4.3) is embodied in such a manner the measuring properties of the vehicle sensor (4) are determined according to the structure thereof.

IPC 1-7

G01H 11/00

IPC 8 full level

B60R 21/01 (2006.01); **G01H 1/12** (2006.01); **G01H 11/00** (2006.01); **G01P 1/02** (2006.01); **B60R 21/013** (2006.01)

CPC (source: EP US)

B60R 21/0132 (2013.01 - EP US); **B60R 21/01332** (2014.12 - EP US); **B60R 21/01336** (2014.12 - EP US); **B60R 21/0136** (2013.01 - EP US); **G01H 1/12** (2013.01 - EP US); **G01H 11/00** (2013.01 - EP US); **G01P 1/023** (2013.01 - EP US); **B60R 2021/01006** (2013.01 - EP US); **B60R 2021/0119** (2013.01 - EP US); **B60R 2021/01302** (2013.01 - EP US)

Citation (search report)

See references of WO 2005036108A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005036108 A1 20050421; AT E387343 T1 20080315; DE 112004001390 D2 20060413; DE 112004002433 D2 20060824; DE 502004006346 D1 20080410; EP 1671086 A1 20060621; EP 1678013 A1 20060712; EP 1678013 B1 20080227; JP 2007508203 A 20070405; JP 4730669 B2 20110720; US 2011209551 A1 20110901; US 8401739 B2 20130319; WO 2005035318 A1 20050421

DOCDB simple family (application)

DE 2004002237 W 20041008; AT 04789945 T 20041008; DE 112004001390 T 20041008; DE 112004002433 T 20041008; DE 2004002236 W 20041008; DE 502004006346 T 20041008; EP 04789945 A 20041008; EP 04789946 A 20041008; JP 2006537047 A 20041008; US 57520011 A 20110509