

Title (en)

DEVICE FOR DETECTING COLLISION WITH A VEHICLE

Title (de)

VORRICHTUNG ZUM ERKENNEN EINES AUFPRALLS AUF EIN FAHRZEUG

Title (fr)

SYSTEME DE DETECTION DE COLLISION SUR UN VEHICULE

Publication

EP 1733197 A1 20061220 (DE)

Application

EP 05737947 A 20050407

Priority

- EP 2005051543 W 20050407
- DE 102004017270 A 20040407

Abstract (en)

[origin: WO2005098384A1] The invention relates to a device for detecting collision with a vehicle (5). Said device comprises a pressure sensor (3) for detecting compression of a substantially closed measuring volume (2) upon collision. Said measuring volume is arranged along a part of the vehicle body that is impacted during collision. The cross-sectional area (2A, 2B, 2C) of the measuring volume (2), along its longitudinal direction, has a comparatively larger area in the vicinity of those parts of the vehicle body that are comparatively rigid and therefore comparatively difficult to deform during collision.

IPC 8 full level

G01L 5/00 (2006.01); **B60R 21/01** (2006.01); **B60R 21/0136** (2006.01); **G01L 7/10** (2006.01)

CPC (source: EP KR US)

B60R 19/48 (2013.01 - KR); **B60R 21/01** (2013.01 - KR); **B60R 21/0136** (2013.01 - EP KR US); **G01L 5/00** (2013.01 - KR)

Citation (search report)

See references of WO 2005098384A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2005098384 A1 20051020; CN 100434887 C 20081119; CN 1946994 A 20070411; DE 102004017270 B3 20051201; EP 1733197 A1 20061220; JP 2007531888 A 20071108; KR 20070001265 A 20070103; US 2007181359 A1 20070809; US 7635042 B2 20091222

DOCDB simple family (application)

EP 2005051543 W 20050407; CN 200580010651 A 20050407; DE 102004017270 A 20040407; EP 05737947 A 20050407; JP 2007506779 A 20050407; KR 20067023309 A 20061107; US 54774005 A 20050407