

Title (en)

ARRANGEMENT FOR, AND METHOD OF, DETECTING PEDESTRIAN IMPACT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR DETEKTION EINES FUSSGÄNGERAUFPRALLS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DÉTECTION D UNE COLLISION AVEC UN PIÉTON

Publication

EP 1976727 A1 20081008 (DE)

Application

EP 06830248 A 20061130

Priority

- EP 2006069151 W 20061130
- DE 102006001366 A 20060111

Abstract (en)

[origin: DE102006001366A1] The device has three acceleration sensors (10, 12, 13) attached at an inner side of a bumper lining (15), and generating three signals depending on the signal form, when the signals exceed a noise threshold. A microcontroller detects the pedestrian collision depending on a time offset between two of the three signals. A timer device and the sensors are provided to determine the time offset, where the signal of the sensor (13) is utilized for plausibility. The sensors are connected with a control device by a two-wire line. An independent claim is also included for a method of detection of pedestrian collision.

IPC 8 full level

B60R 21/0136 (2006.01); **B60R 21/34** (2011.01)

CPC (source: EP US)

B60R 21/0132 (2013.01 - EP US); **B60R 21/0133** (2014.12 - EP US); **B60R 21/0136** (2013.01 - EP US); **B60R 21/34** (2013.01 - EP US); **B60R 2021/0119** (2013.01 - EP US)

Citation (search report)

See references of WO 2007087916A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 102006001366 A1 20070712; **DE 102006001366 B4 20190307**; CN 101356079 A 20090128; CN 101356079 B 20120620; EP 1976727 A1 20081008; JP 2009523087 A 20090618; US 2010191401 A1 20100729; US 8948961 B2 20150203; WO 2007087916 A1 20070809

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DE 102006001366 A 20060111; CN 200680050914 A 20061130; EP 06830248 A 20061130; EP 2006069151 W 20061130; JP 2008549799 A 20061130; US 16070706 A 20061130