

Title (en)

METHOD AND DEVICE FOR DEFINING OF AT LEAST ONE ACTIVATING PARAMETER OF A VEHICLE PASSENGER PROTECTION SYSTEM,

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG VON ZUMINDEST EINEM AUSLÖSEPARAMETER EINES PERSONENSCHUTZMITTELS EINES FAHRZEUGS

Title (fr)

PROCEDE ET DISPOSITIF DE DEFINITION DE AU MOINS UN PARAMETRE D'ACTIVATION D'UN DISPOSITIF DE PROTECTION DE PASSAGER DE VEHICULE

Publication

EP 2552752 A1 20130206 (DE)

Application

EP 11708222 A 20110301

Priority

- DE 102010003333 A 20100326
- EP 2011052973 W 20110301

Abstract (en)

[origin: WO2011117046A1] A method (400) for determining at least one triggering parameter of a person protection means (160) of a vehicle (100) is proposed. The method (400) has a step of providing (410) at least two pattern signal profiles (200) of a possible signal of a sensor (120) for a physical variable, wherein each of the pattern signal profiles depicts a temporal profile of the physical variable upon impact of an object (150) on the vehicle at a different point of the vehicle and/or upon impact of the object on the vehicle at a different angle, wherein each of the pattern signal profiles is assigned at least one triggering parameter for an algorithm for triggering the person protection means. Furthermore, the method (400) comprises a step of reading in (420) a sensor signal which represents the physical variable measured by a sensor. The method (400) also comprises a step of comparing (430) values of a temporal profile (300) of the sensor signal with values of the at least two pattern signal profiles, wherein, in the comparing step, the pattern signal profile (200) is selected which, in at least one time section of the pattern signal profile or in a scaled form of the pattern signal profile, has a smaller deviation from the temporal profile of the sensor signal. Finally, the method (400) comprises a step of ascertaining (440) the at least one triggering parameter of the selected pattern signal profile for the algorithm for triggering the person protection means.

IPC 8 full level

B60R 21/0132 (2006.01)

CPC (source: EP US)

B60R 21/0132 (2013.01 - EP US); **B60R 21/01332** (2014.12 - EP US)

Citation (search report)

See references of WO 2011117046A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010003333 A1 20110929; DE 102010003333 B4 20200730; CN 102811889 A 20121205; CN 102811889 B 20151125; EP 2552752 A1 20130206; US 2013090814 A1 20130411; WO 2011117046 A1 20110929

DOCDB simple family (application)

DE 102010003333 A 20100326; CN 201180015741 A 20110301; EP 11708222 A 20110301; EP 2011052973 W 20110301; US 201113637486 A 20110301