

Title (en)

Overload protective device for a door

Title (de)

Türüberlastschutzeinrichtung

Title (fr)

Dispositif de protection à la surcharge pour une porte

Publication

EP 2410114 A3 20140924 (DE)

Application

EP 11005401 A 20110701

Priority

DE 102010026190 A 20100706

Abstract (en)

[origin: EP2410114A2] The device (4) has a door frame (2) on which a connecting element (6) is formed of a hinge unit, where the device acts against compressive force that is generated by a blast wave and from weight of a door leaf (3) and applied in one of vertical and horizontal directions in moving, opening and closing state. The compressive force of the door leaf is transferred to a rail (5) by a carriage layer (7) e.g. telescoping layer, where the device is made of metal, metal alloys and plastic and made in one piece. An independent claim is also included for a method for manufacturing an overload protection device for a vehicle door.

IPC 8 full level

E05F 7/06 (2006.01); **E05C 17/22** (2006.01); **E05F 5/00** (2006.01); **F41H 5/013** (2006.01); **E05C 17/00** (2006.01); **E05C 17/08** (2006.01); **E05C 17/60** (2006.01); **F41H 5/22** (2006.01)

CPC (source: EP US)

E05C 17/203 (2013.01 - EP US); **E05F 7/06** (2013.01 - EP US); **F41H 5/013** (2013.01 - EP US); **E05C 17/60** (2013.01 - EP US); **E05Y 2900/504** (2013.01 - EP US); **F41H 5/226** (2013.01 - EP US)

Citation (search report)

- [X] FR 2830893 A1 20030418 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
- [X] WO 9306326 A1 19930401 - SIEGMUELLER GMBH [DE]
- [X] US 2009120002 A1 20090514 - DOMHOLT NORMAN L [US]
- [A] DE 965378 C 19570606 - DAIMLER BENZ AG

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2410114 A2 20120125; **EP 2410114 A3 20140924**; DE 102010026190 A1 20120112; US 2012005962 A1 20120112; US 8662562 B2 20140304

DOCDB simple family (application)

EP 11005401 A 20110701; DE 102010026190 A 20100706; US 201113173340 A 20110630