

Title (en)  
DEVICE FOR FASTENING DOOR OR FLAP HINGES OR OTHER ELEMENTS TO THE DOORS OR FLAPS OR TO THE BODYWORK OF MOTOR VEHICLES

Title (de)  
VORRICHTUNG ZUR BEFESTIGUNG VON TÜR- ODER KLAPPENSCHARNIEREN ODER ANDEREN ELEMENTEN AN DEN TÜREN ODER KLAPPEN ODER AN DER KAROSSERIE VON KRAFTFAHRZEUGEN

Title (fr)  
DISPOSITIF POUR FIXER DES CHARNIÈRES DE PORTE OU DE CLAPET OU D'AUTRES ÉLÉMENTS SUR DES PORTES OU DES CLAPETS OU SUR LA CARROSSERIE DE VÉHICULES AUTOMOBILES

Publication  
**EP 2648967 A2 20131016 (DE)**

Application  
**EP 11831822 A 20111209**

Priority  
• DE 202010016444 U 20101210  
• DE 2011050056 W 20111209

Abstract (en)  
[origin: CA2820381A1] A device for fastening side impact supports, and door or flap hinges (10) to the doors (12) or flaps or to the bodywork of motor vehicles, with a screw (141) which extends through an opening in the door (12), the flap or the bodywork sheet and through an opening in the side impact support or hinge (10), and is secured by a nut (16), in which a hollow absorber element (18) is arranged between the nut (16) and the sheet of the door (12), the flap or the bodywork or the side impact support or the hinge (10), which absorber element is penetrated by the screw (14') and has side walls (20) which run substantially parallel to the axis of rotation of the screw (14'), and two abutment surfaces (22, 26, 34) each running perpendicularly to the axis of rotation of the screw (14'), wherein the one abutment surface (26, 34) is supported on the sheet of the door (12), the flap or the bodywork or the side impact support or the hinge (10) while the other abutment surface (22) bears the nut (16). The invention also relates to similar devices in which an inner thread is provided on the absorber element instead of the nut.

IPC 8 full level  
**B62D 25/10** (2006.01)

CPC (source: EP KR US)  
**B60J 5/04** (2013.01 - KR); **B60J 5/0431** (2013.01 - EP US); **B60J 5/0461** (2013.01 - EP US); **B62D 21/15** (2013.01 - EP US); **B62D 25/10** (2013.01 - KR); **B62D 27/065** (2013.01 - EP US); **F16B 5/02** (2013.01 - KR); **F16B 5/0241** (2013.01 - EP US); **F16B 29/00** (2013.01 - KR); **F16B 33/00** (2013.01 - US); **F16F 7/12** (2013.01 - EP US); **E05D 11/00** (2013.01 - EP US); **E05D 2011/009** (2013.01 - EP US); **E05Y 2600/51** (2013.01 - EP US); **E05Y 2600/622** (2013.01 - EP US); **E05Y 2600/624** (2013.01 - EP US); **E05Y 2600/628** (2013.01 - EP US); **E05Y 2600/63** (2013.01 - EP US); **E05Y 2900/531** (2013.01 - EP US)

Citation (search report)  
See references of WO 2012076006A2

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 202010016444 U1 20110217**; AU 2011341145 A1 20130502; BR 112013012469 A2 20160906; CA 2820381 A1 20120614; CN 103328310 A 20130925; EP 2648967 A2 20131016; JP 2013544707 A 20131219; KR 20130131374 A 20131203; MX 2013006530 A 20130801; US 2013251475 A1 20130926; WO 2012076006 A2 20120614; WO 2012076006 A3 20120802; WO 2012076006 A9 20120920

DOCDB simple family (application)  
**DE 202010016444 U 20101210**; AU 2011341145 A 20111209; BR 112013012469 A 20111209; CA 2820381 A 20111209; CN 201180059628 A 20111209; DE 2011050056 W 20111209; EP 11831822 A 20111209; JP 2013542372 A 20111209; KR 20137015641 A 20111209; MX 2013006530 A 20111209; US 201113992942 A 20111209