

Title (en)

Attachment device for hinges of doors, hoods or the like of vehicles

Title (de)

Befestigungsvorrichtung für Scharniere von Türen oder Klappen oder dergleichen von Fahrzeugen

Title (fr)

Dispositif de fixation pour charnières de portes, coffres ou similaires de véhicules

Publication

**EP 1229195 A3 20040818 (DE)**

Application

**EP 01130053 A 20011218**

Priority

DE 10104041 A 20010131

Abstract (en)

[origin: EP1229195A2] Fixing device for hinges of motor vehicle doors or flaps comprises a hinge part (3) fixed to the vehicle body (2) by a screw (4) and a clamping sleeve (5) having a through opening (28) for the screw and at least two lever arms (18, 19) arranged a distance apart, each with an outer bearing surface (16, 17). The clamping sleeve has at least two inner bearing surfaces (21, 22) arranged a distance apart at the height of the through opening. The inner bearing surfaces are arranged a distance (a) from the outer bearing surfaces. Before final assembly the inner bearing surfaces are placed a distance (c) from a wall (14, 15) of the vehicle body and only after a predetermined pre-stressing force are placed on the wall to transfer the maximum pre-stressing force. Preferred Features: The clamping sleeve is made of extrudable steel or a similar material.

IPC 1-7

**E05D 5/02**; E05D 5/06; F16B 29/00

IPC 8 full level

**E05D 5/02** (2006.01); **E05D 5/06** (2006.01)

CPC (source: EP)

**E05D 5/023** (2013.01); **E05D 5/062** (2013.01); **E05Y 2900/531** (2013.01)

Citation (search report)

- [X] DE 2157961 A1 19730530 - DORMA BAUBESCHLAG
- [PA] EP 1086883 A2 20010328 - BAYERISCHE MOTOREN WERKE AG [DE]

Cited by

DE102010006180A1; EP2354398A3; DE102010006180B4; WO2009016539A1; EP2354398A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1229195 A2 20020807**; **EP 1229195 A3 20040818**; **EP 1229195 B1 20051116**; DE 10104041 A1 20020801; DE 50108078 D1 20051222

DOCDB simple family (application)

**EP 01130053 A 20011218**; DE 10104041 A 20010131; DE 50108078 T 20011218