

Title (en)

DEVICE FOR CONNECTING THE FIXING REGION OF A GUIDE RAIL TO THE DOOR FRAME OF A VEHICLE DOOR

Title (de)

VORRICHTUNG ZUM VERBINDEN DES BEFESTIGUNGSBEREICHS EINER FÜHRUNGSSCHIENE MIT DEM TÜRKÖRPER EINER FAHRZEUGTÜR

Title (fr)

DISPOSITIF PERMETTANT DE RELIER LA ZONE DE FIXATION D'UN RAIL DE GUIDAGE AU CORPS D'UNE PORTE DE VEHICULE

Publication

EP 1558453 B2 20101222 (DE)

Application

EP 03785497 A 20031029

Priority

- DE 0303674 W 20031029
- DE 10250998 A 20021030
- DE 20219264 U 20021206

Abstract (en)

[origin: WO2004039617A2] A guide piece (3), for connecting the fixing region (10) of a guide rail (1) to the door frame (2) of a vehicle door, whereby the guide piece (3) may be fixed in the external skin (20) thereof, houses a fixing means (6) and the fixing region (10) of the guide rail (1) which may be adjusted in the direction of the vehicle transverse axis (Y-axis) within the guide piece (3). The guide piece (3) with fixing clips (41, 42) in slots in the external skin (20) can be adjusted in the direction of the vehicle longitudinal axis (X-axis) as required, relative to the external skin (20) of the door frame (2) and may be pre-positioned on the fixing region (10) of the guide rail (1) with a positive fit. The guide piece (3) is embodied in two pieces and comprises a cover (5) which may be connected to a baseplate (4), between which a part (60) of the fixing means (6) is positively fitted and a part of the fixing region (10) of the guide rail (1) is adjustably arranged perpendicular to the plane of the vehicle door (Y-axis).

IPC 8 full level

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CPC (source: EP US)

E05F 11/382 (2013.01 - EP US); **E05Y 2201/684** (2013.01 - EP US); **E05Y 2600/322** (2013.01 - EP US); **E05Y 2900/55** (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 10044845 A1 20020404 - BROSE FAHRZEUGTEILE [DE]
- DE 10014946 A1 20010927 - BROSE FAHRZEUGTEILE [DE]

Cited by

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DE ES FR

DOCDB simple family (publication)

WO 2004039617 A2 20040513; **WO 2004039617 A3 20050303**; DE 50307725 D1 20070830; EP 1558453 A2 20050803; EP 1558453 B1 20070718; EP 1558453 B2 20101222; ES 2289346 T3 20080201; ES 2289346 T5 20110405; US 2006254146 A1 20061116; US 7640697 B2 20100105

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