

Title (en)

Support and application rail in automatic window devices for cars

Title (de)

Halter und Führungsschiene für einen Kraftfahrzeugfensterheber

Title (fr)

Support et rail de guidage pour lève-vitre de véhicules

Publication

EP 2466048 A1 20120620 (EN)

Application

EP 10380151 A 20101214

Priority

EP 10380151 A 20101214

Abstract (en)

The implementation of supports at the ends of rails for window opening mechanisms, made of materials different from the rails, has enabled the simplification of these rails. However, the application of these supports results in small gaps between the support and the end of the rail, something which is avoided with the support presented here, which is applied to the rail, also incorporating other functions such as cable guide, shaft for the pulley wheel, securing of the rail to the automobile door reinforcement panel and securing the reinforcement panel to the automobile door.

IPC 8 full level

E05F 11/48 (2006.01)

CPC (source: EP)

E05F 11/483 (2013.01); **E05Y 2201/668** (2013.01); **E05Y 2201/706** (2013.01); **E05Y 2800/29** (2013.01); **E05Y 2900/55** (2013.01)

Citation (applicant)

- EP 1630341 A1 20060301 - ARVINMERITOR GMBH [DE]
- DE 385167 C 19231205 - KARL TORSTEN FREDRIK JUNG

Citation (search report)

- [I] WO 02094598 A1 20021128 - BROSE FAHRZEUGTEILE [DE], et al
- [AD] EP 1630341 A1 20060301 - ARVINMERITOR GMBH [DE]

Cited by

US2019186188A1; US10501978B2

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 2466048 A1 20120620; **EP 2466048 B1 20140312**; ES 2468839 T3 20140617

DOCDB simple family (application)

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