

Title (en)

Vertically sliding vehicle window

Title (de)

Senkrecht bewegbare Scheibe eines Kraftfahrzeugfensters

Title (fr)

Vitrage déplaçable en hauteur pour véhicule

Publication

EP 0816617 B1 20021113 (FR)

Application

EP 97401570 A 19970703

Priority

DE 19627398 A 19960706

Abstract (en)

[origin: EP0816617A2] A motor vehicle window glass is connected to its drive mechanism by a holder (10) and a foot (7) which travels along a rigid slideway (3) e.g. of aluminium or is connected to a toothed drive rack. The holder and foot are made from a polymer material which is suitable for mechanical operation and are joined by a flexible connecting piece (15) of reduced cross-section, so that the tolerances imposed by the manufacture and assembly of the components are compensated for by the elastic deformation of the connecting piece. The holder, foot and connecting piece are moulded in one piece from a polymer with a Shore hardness of between A80 and D80, fixed to the glass by screws, adhesive or a clip-together assembly. The polymer is a polyurethane which can be moulded onto the glass by a reaction injection moulding process.

IPC 1-7

E05F 11/38; **E05F 11/48**

IPC 8 full level

B60J 1/17 (2006.01); **E05F 11/38** (2006.01); **E05F 11/48** (2006.01)

CPC (source: EP US)

E05F 11/385 (2013.01 - EP US); **E05F 11/481** (2013.01 - EP US); **E05F 11/382** (2013.01 - EP US); **E05Y 2201/64** (2013.01 - EP US); **E05Y 2800/46** (2013.01 - EP US); **E05Y 2900/55** (2013.01 - EP US)

Cited by

EP1816017A1

Designated contracting state (EPC)

BE DE ES FR GB IT LU NL PT SE

DOCDB simple family (publication)

EP 0816617 A2 19980107; **EP 0816617 A3 19990506**; **EP 0816617 B1 20021113**; DE 19627398 A1 19980115; DE 19627398 C2 20020418; DE 69717010 D1 20021219; DE 69717010 T2 20031009; ES 2186854 T3 20030516; JP 4101327 B2 20080618; JP H1058969 A 19980303; PT 816617 E 20030331; US 5918420 A 19990706

DOCDB simple family (application)

EP 97401570 A 19970703; DE 19627398 A 19960706; DE 69717010 T 19970703; ES 97401570 T 19970703; JP 18011697 A 19970704; PT 97401570 T 19970703; US 88770797 A 19970703