

Title (en)

Vehicle window regulator with compensation of parallelism failures in the guide rails

Title (de)

Fahrzeugfensterheber mit Ausgleich der Parallelitätsfehler zwischen den Führungsschienen

Title (fr)

Lève-vitre de véhicule à compensation des défauts de parallélisme des rails de guidage

Publication

EP 0844355 B1 20010919 (FR)

Application

EP 97402761 A 19971117

Priority

FR 9614479 A 19961126

Abstract (en)

[origin: EP0844355A1] The assembly consists of at least one guide rail for the glass (2) between slideways, a slider (6) with a peg (7) which passes through a hole in the glass and a fork (9) which engages with the end of the peg opposite the slider and on the other side of the glass. An insert (13) can be fitted between the slider and the glass and has an elongated aperture (14) for passage of the peg. A projecting portion (22) with a grooved member (240) prevents rotation of the peg relative to the glass. The aperture in the insert has a length which is greater than the diameter of the circular hole in the glass and is bounded by two projections with flat inner faces which fit through the hole.

IPC 1-7

E05F 11/38

IPC 8 full level

E05F 11/38 (2006.01); **E05D 7/04** (2006.01)

CPC (source: EP)

E05F 11/385 (2013.01); **E05D 7/04** (2013.01); **E05F 2011/387** (2013.01); **E05Y 2600/312** (2013.01); **E05Y 2900/55** (2013.01)

Cited by

FR2901300A1; ES2193837A1; DE19981927C1; FR2908446A1; FR3129967A1; DE202009008992U1; EP2657440A1; US6609334B1; WO0021766A1

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 0844355 A1 19980527; **EP 0844355 B1 20010919**; DE 69706805 D1 20011025; DE 69706805 T2 20020328; FR 2756317 A1 19980529; FR 2756317 B1 19990212

DOCDB simple family (application)

EP 97402761 A 19971117; DE 69706805 T 19971117; FR 9614479 A 19961126