

Title (en)  
Window regulator, particularly for motor vehicles.

Title (de)  
Fensterheber, insbesondere für Kraftfahrzeuge.

Title (fr)  
Lève-vitre, en particulier pour véhicules automobiles.

Publication  
**EP 0466033 A1 19920115 (EN)**

Application  
**EP 91111132 A 19910704**

Priority  
IT 6751890 A 19900710

Abstract (en)  
A window regulator (1)(52) wherein a slide (7), mounted on a guide (5) extending along an axis (6), is connected, by means of a first hinge (9), to a first end of a drive arm (10), the other end of which is connected, by means of a second hinge (11), to a window (2) sliding in a direction (3) perpendicular to the axis (6) of the guide (5). The drive arm (10) is rotated in relation to the slide (7) by an actuating arm (14) having a first point (23) hinged to the guide (5) on the axis (6) of the same, and a second point (17) hinged to the center line of the drive arm (10); the distance between the first and second points (23, 17) of the actuating arm (14) being equal to half the distance between the first and second hinges (9, 11). <IMAGE>  
<IMAGE>

IPC 1-7  
**E05F 11/40**; **E05F 15/16**

IPC 8 full level  
**E05F 11/40** (2006.01); **E05F 11/44** (2006.01); **B60J 1/00** (2006.01); **E05F 15/16** (2006.01)

CPC (source: EP)  
**E05F 11/405** (2013.01); **E05F 11/445** (2013.01); **E05F 15/689** (2015.01); **E05Y 2900/55** (2013.01)

Citation (search report)  
• [X] US 2768532 A 19561030 - RUSSELL ROBERT C  
• [Y] US 2547851 A 19510403 - BRUNDAGE ALAN D  
• [A] FR 2359954 A1 19780224 - RIV OFFICINE DI VILLAR PEROSA [IT]  
• [Y] US 2781191 A 19570212 - JOSEPH PICKLES

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Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0466033 A1 19920115**; BR 9102921 A 19920211; IT 1240390 B 19931210; IT 9067518 A0 19900710; IT 9067518 A1 19920110; JP H05125868 A 19930521

DOCDB simple family (application)  
**EP 91111132 A 19910704**; BR 9102921 A 19910710; IT 6751890 A 19900710; JP 16995891 A 19910710