

Title (en)

Window supporting device in an automobile vehicle window regulator and window regulator comprising this device

Title (de)

Scheibeträgervorrichtung in einem Automobilfahrzeugfensterheber und Fensterheber mit dieser Vorrichtung

Title (fr)

Dispositif support de vitre dans un lève-vitre de véhicule automobile et lève-vitre incorporant ce dispositif

Publication

EP 0567362 B1 19960522 (FR)

Application

EP 93400795 A 19930326

Priority

FR 9204926 A 19920422

Abstract (en)

[origin: EP0567362A1] This device includes arms (1, 2) configured in an X, a profiled rail (11) inside which are mounted rollers (5, 6) onto which are articulated the ends of the arms (1, 2), one (6) of the rollers being provided with means for blocking in the rail, while the other roller (5) can slide in the latter; the means for blocking the said roller (6) comprise an elastic clamp (13) with two branches (14) shaped so that they can cap the opposite ends of the roller, and openings for the passage of these branches are formed in the walls of the rail so that the said branches pass right through the rail, clamping the roller between them. This clamp is easy to install and can be fitted onto the existing rollers, which avoids the use of specific parts and therefore decreases the manufacturing cost of the device. <IMAGE>

IPC 1-7

E05F 11/44

IPC 8 full level

B60J 1/17 (2006.01); **E05F 11/44** (2006.01)

CPC (source: EP US)

E05F 11/445 (2013.01 - EP US); **E05Y 2900/55** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES GB IT SE

DOCDB simple family (publication)

EP 0567362 A1 19931027; **EP 0567362 B1 19960522**; BR 9301611 A 19931026; CA 2094216 A1 19931023; DE 69302750 D1 19960627; DE 69302750 T2 19961107; FR 2690388 A1 19931029; FR 2690388 B1 19940713; JP H0666061 A 19940308; MX 9302213 A 19931001; US 5392563 A 19950228

DOCDB simple family (application)

EP 93400795 A 19930326; BR 9301611 A 19930420; CA 2094216 A 19930416; DE 69302750 T 19930326; FR 9204926 A 19920422; JP 9309893 A 19930420; MX 9302213 A 19930416; US 4833593 A 19930415