

Title (en)

DEVICE FOR COUPLING A WINDOW TO A WINDOW REGULATOR HAVING SWINGING ARMS IN AN AUTOMOTIVE VEHICLE

Publication

EP 0369853 B1 19930804 (FR)

Application

EP 89403009 A 19891031

Priority

FR 8815026 A 19881118

Abstract (en)

[origin: EP0369853A1] This device comprises, for each arm, a block (7) sliding in a section (5) fixed to the bottom of the window and intended for receiving one end (11) of the arm (4); the block (7) is formed from two half-blocks (8, 9) movable slideably relative to one another and equipped with means (12, 13, 14, 15) allowing them to be locked in two successive stable positions during assembly, a first position in which the block (7) has a limited freedom of translational movement in relation to the section (5), and a second position which is assumed after the introduction of the said end (11) and the movement by the latter of one half-block (8) relative to the other (9) in which the block (7) can slide freely in the window bottom section. By means of the structure of this device, the coupling can be carried out automatically by robot on vehicle assembly lines. <IMAGE>

IPC 1-7

E05F 11/44

IPC 8 full level

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

CPC (source: EP)

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

Cited by

US8650800B2; GB2319050A; GB2319050B; WO2004057142A3; US8207227B2; US8658695B2

Designated contracting state (EPC)

DE ES GB IT SE

DOCDB simple family (publication)

EP 0369853 A1 19900523; **EP 0369853 B1 19930804**; BR 8905841 A 19900612; CA 2002659 A1 19900518; DE 68908097 D1 19930909; DE 68908097 T2 19931118; ES 2044183 T3 19940101; FR 2639395 A1 19900525; FR 2639395 B1 19910215; JP H02183067 A 19900717; JP H086526 B2 19960124

DOCDB simple family (application)

EP 89403009 A 19891031; BR 8905841 A 19891120; CA 2002659 A 19891109; DE 68908097 T 19891031; ES 89403009 T 19891031; FR 8815026 A 19881118; JP 29775089 A 19891117