Title (en)

ELECTRICALLY POWERED VEHICLE WINDOW OPENING DEVICE

Publication

EP 0113603 B1 19870603 (FR)

Application

EP 83402194 A 19831110

Priority

FR 8220946 A 19821214

Abstract (en)

[origin: ES8407547A1] The device comprises two arms 1, 2 arranged in an X-configuration inside the door 3 of the vehicle and supporting the window glass 4. One arm, 1, is a driving arm and the other arm, 2, a driven arm and the driving arm 1 is fixed adjacent one end to a support 5 capable of being driven in rotation by a motor-speed reducer unit 6 controlled by a button 7. The latter is connected to the driving arm 1 in such manner as to be kinematically related to the latter and is slidable in a slot 12 formed in the inner panel 13 of the door 3. In this way the driver can accompany the movement of the glass 4 by exerting a thrust on the button 7 in a travel of the order of a decimeter so that he is able to adjust the position of the glass 4 with precision.

IPC 1-7

E05F 15/16

IPC 8 full level

B60J 1/17 (2006.01); **E05F 11/44** (2006.01); **E05F 15/16** (2006.01)

CPC (source: EP US)

E05F 11/445 (2013.01 - EP US); **E05F 15/695** (2015.01 - EP US); E05Y 2400/3015 (2024.05 - EP US); E05Y 2400/36 (2013.01 - EP US); E05Y 2400/44 (2013.01 - EP US); E05Y 2400/445 (2013.01 - EP US); E05Y 2400/86 (2013.01 - EP US); E05Y 2900/55 (2013.01 - EP US)

Cited by

WO9722984A3

Designated contracting state (EPC)

DE GB IT SE

DOCDB simple family (publication)

EP 0113603 A1 19840718; **EP 0113603 B1 19870603**; BR 8306804 A 19840717; CA 1217217 A 19870127; DE 3371923 D1 19870709; ES 527496 A0 19840916; ES 8407547 A1 19840916; FR 2537645 A1 19840615; FR 2537645 B1 19850426; JP S59114386 A 19840702; MX 154674 A 19871118; US 4554763 A 19851126

DOCDB simple family (application)

EP 83402194 A 19831110; BR 8306804 A 19831212; CA 441763 A 19831123; DE 3371923 T 19831110; ES 527496 A 19831124; FR 8220946 A 19821214; JP 23601083 A 19831214; MX 19969783 A 19831209; US 56142883 A 19831214