

Title (en)

Manually operated device for opening a vehicle door.

Title (de)

Handgetriebene Vorrichtung zum Öffnen einer Fahrzeughür.

Title (fr)

Dispositif de commande manuelle d'ouverture de porte de véhicule.

Publication

EP 0296033 A1 19881221 (FR)

Application

EP 88401411 A 19880609

Priority

FR 8708558 A 19870618

Abstract (en)

This device comprises a handle (3) capable of tilting a lever (4) for actuating a lock and articulated on an outwardly open housing (1) capable of receiving the handle (3), the latter being articulated laterally, on the one hand, about two axles (16, 17) fastened to the housing (1) and, on the other hand, about two movable axles (14, 15) fixed to said handle, all these axles being within the housing (1), each axle (16, 17) fastened to the housing being connected by means of a link (9, 11; 12, 13) to a movable axle (14, 15), and these axles (14-17) being positioned in such a way that straight lines (D1, D2) each passing through a fixed axle (16, 17) and a movable axle (14, 15) connected by means of the same link intersect on the outside of the housing. This articulated mechanism makes it possible to mount the housing (1)/handle (3) assembly on the door by means of a simple sequence of horizontal translational movements which can also be executed by a robot, the latter being of very simple design. <IMAGE>

IPC 1-7

E05B 5/00

IPC 8 full level

E05B 1/00 (2006.01); **B60J 5/00** (2006.01); **B60J 5/04** (2006.01); **E05B 5/00** (2006.01); **E05B 65/20** (2006.01)

CPC (source: EP US)

E05B 85/10 (2013.01 - EP US); **E05B 1/0092** (2013.01 - EP US); **E05B 85/14** (2013.01 - EP US); **Y10S 292/31** (2013.01 - EP US); **Y10T 292/1076** (2015.04 - EP US); **Y10T 292/57** (2015.04 - EP US); **Y10T 292/82** (2015.04 - EP US)

Citation (search report)

- [A] FR 2280522 A1 19760227 - PEUGEOT & RENAULT [FR]
- [A] FR 2413519 A1 19790727 - LOWE & FLETCHER BELGE SA [BE]

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EP2518244A3

Designated contracting state (EPC)

DE ES GB IT SE

DOCDB simple family (publication)

EP 0296033 A1 19881221; **EP 0296033 B1 19910424**; BR 8802982 A 19890110; CA 1299216 C 19920421; DE 3862528 D1 19910529; ES 2021853 B3 19911116; FR 2616833 A1 19881223; FR 2616833 B1 19891020; JP H0194176 A 19890412; JP H076304 B2 19950130; MX 172294 B 19931213; US 4898413 A 19900206

DOCDB simple family (application)

EP 88401411 A 19880609; BR 8802982 A 19880617; CA 569656 A 19880616; DE 3862528 T 19880609; ES 88401411 T 19880609; FR 8708558 A 19870618; JP 14928488 A 19880618; MX 1193288 A 19880616; US 20707888 A 19880614