

Title (en)

Drive unit for the swivelling of the door or the trunk of a motor vehicle

Title (de)

Antriebseinheit zum Verschwenken der Fahrzeughür oder Fahrzeugklappe eines Kraftfahrzeuges

Title (fr)

Unité de commande pour l'ouverture pivotante d'un ouvrant de véhicule automobile

Publication

EP 1398447 A3 20090422 (DE)

Application

EP 03102728 A 20030910

Priority

DE 10241996 A 20020911

Abstract (en)

[origin: EP1398447A2] The drive unit has a gearbox housing containing a gearbox and a geared motor with its output shaft connected to a gearbox drive element and attachment devices for alternative connection of the motor to the housing and hence of the output shaft to the drive element. One attachment element points in the same direction as the other did prior to rotation if the housing is rotated through 180 degrees about an axis perpendicular to the output shaft. The drive unit (1) has a gearbox housing (2) containing a gearbox and a geared motor (3) with its output shaft (6) connected to a gearbox drive element, at least two attachment devices (4,10) on the housing for alternative connection of the motor to the housing and hence for connecting the output shaft to the drive element. One attachment element points in the same direction as the other did prior to rotation if the housing is rotated through 180 degrees about an axis perpendicular to the output shaft.

IPC 8 full level

E05F 15/12 (2006.01); **E05F 15/10** (2006.01)

CPC (source: EP)

E05F 15/614 (2015.01); **E05F 15/603** (2015.01); **E05Y 2900/548** (2013.01)

Citation (search report)

- [X] DE 1919444 U 19650708 - BOSCH GMBH ROBERT [DE]
- [A] DE 20004973 U1 20000629 - KIEKERT AG [DE]
- [A] DE 19525020 A1 19970109 - BROSE FAHRZEUGTEILE [DE]
- [A] US 5842377 A 19981201 - HUTCHINGS WILLIAM J [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

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DOCDB simple family (application)

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