

Title (en)
Articulated parallelogram mechanism for doors, for opening/closing thereof

Title (de)
Gelenkparallelogrammeinrichtung zum Öffnen und Schliessen von Türen

Title (fr)
Mécanisme à parallélogramme articulé pour l'ouverture et la fermeture de portes

Publication
EP 1375806 B1 20070328 (EN)

Application
EP 03010007 A 20030502

Priority
IT MI20021434 A 20020628

Abstract (en)
[origin: EP1375806A1] The mechanism comprises a block (12) for fixing to the mobile structure, a main arm (14), a transport arm (16), and a distal element (18). The components are configured so as to be able to be disposed with the arms very close together in the closed position. Arms of different lengths are interchangeable to adapt the device to various sizes of doors. A cam head (43) of the main arm interacts with a feeler (32) to determine the closed position with a snap action. <IMAGE>

IPC 8 full level
E05D 15/34 (2006.01); **E05D 11/10** (2006.01); **E05D 3/06** (2006.01)

CPC (source: EP)
E05D 11/1064 (2013.01); **E05D 15/34** (2013.01); **E05D 3/14** (2013.01); **E05D 11/1014** (2013.01); **E05Y 2201/62** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/20** (2013.01)

Cited by
ITPD20120117A1; IT201700051819A1; IT202100021140A1; EP1925770A3; AT502937B1; EP3872287A4; EP3865648A1; IT202000003104A1; US7794028B2; WO2018207160A1

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

DOCDB simple family (publication)
EP 1375806 A1 20040102; EP 1375806 B1 20070328; AT E358223 T1 20070415; DE 60312773 D1 20070510; DE 60312773 T2 20080124; ES 2283676 T3 20071101; IT MI20021434 A0 20020628; IT MI20021434 A1 20031229

DOCDB simple family (application)
EP 03010007 A 20030502; AT 03010007 T 20030502; DE 60312773 T 20030502; ES 03010007 T 20030502; IT MI20021434 A 20020628