

Title (en)

Automatic system for swinging doors

Title (de)

Automatisches System für Flügeltüren

Title (fr)

Système automatique pour portes battantes

Publication

EP 2017423 A1 20090121 (EN)

Application

EP 07425443 A 20070720

Priority

EP 07425443 A 20070720

Abstract (en)

This invention relates to a device (1) for opening and closing swinging leaves comprising a motor (2) provided with a drive shaft (3) located along a first axis (X1-X1), a reduction unit (4) located along a second axis (X2-X2) and capable of receiving the rotation of the drive shaft (3) and transmitting it to an output shaft (5) in which the reduction unit (4) comprises an asymmetrical coupling (16), or in which the reduction unit (4) comprises a toothed insert (6) comprising two toothed surfaces (7, 8), facing each other.

IPC 8 full level

E05F 15/12 (2006.01)

CPC (source: EP)

E05F 15/611 (2015.01); **E05F 15/614** (2015.01); **E05F 15/63** (2015.01); **E05Y 2201/236** (2013.01); **E05Y 2201/47** (2013.01); **E05Y 2201/638** (2013.01); **E05Y 2400/3013** (2024.05); **E05Y 2900/132** (2013.01)

Citation (search report)

- [XY] DE 1128325 B 19620419 - ERHARDT & LEIMER OHG
- [XY] US 6891479 B1 20050510 - ECCLESTON JON E [US]
- [Y] US 4062203 A 19771213 - LEONARD RALPH R, et al
- [Y] DE 10162561 A1 20030717 - SIEMENS AG [DE]
- [XY] DE 19844265 A1 20000406 - KIEKERT AG [DE]
- [XY] EP 1600592 A2 20051130 - AISIN SEIKI [JP]

Cited by

IT202000013159A1; CN113302821A; EP3625421A4; AU2018270923B2; WO2018213265A1; US11913273B2

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2017423 A1 20090121

DOCDB simple family (application)

EP 07425443 A 20070720