

Title (en)

A SYSTEM FOR CLOSING AND OPENING AT LEAST ONE LEAF OF AN INWARD SWINGING DOOR

Title (de)

SYSTEM ZUM SCHLIESSEN UND ÖFFNEN MINDESTENS EINES FLÜGELS EINER NACH INNEN SCHWENKBAREN TÜR

Title (fr)

SYSTÈME DE FERMETURE ET D'OUVERTURE D'AU MOINS UN BATTANT D'UNE PORTE PIVOTANT VERS L'INTÉRIEUR

Publication

EP 3569805 A1 20191120 (EN)

Application

EP 18382342 A 20180518

Priority

EP 18382342 A 20180518

Abstract (en)

A system (100) for closing and opening at least one leaf (1) of an inward swinging door, in which- at one end (6a), one edge (6) of the leaf (1) is guided by a straight guide (3), and- in one middle section (6b), said edge (6) is connected by an articulated connection around a vertical articulation shaft (E1) to an arm (2) mounted to rotate around a pivot shaft (E3), all acting as a connecting rod-crank mechanism, with the leaf (1) performing the connecting-rod function and the arm (2) the crank function. The system comprises actuation means (7) of the leaf (1), equipped with an actuator (7a) fixed solidly to one of the leaf (1) or the arm (2), and which applies a moment of force (Mm) on the other of said leaf or arm around the aforementioned articulation shaft (E1).

IPC 8 full level

E05D 15/28 (2006.01); **E05D 15/30** (2006.01); **E05F 15/63** (2015.01); **E05F 15/649** (2015.01)

CPC (source: EP)

E05D 15/28 (2013.01); **E05D 15/30** (2013.01); **E05F 15/63** (2015.01); **E05F 15/649** (2015.01); **E05Y 2201/43** (2013.01); **E05Y 2201/71** (2013.01); **E05Y 2600/456** (2013.01); **E05Y 2600/458** (2013.01); **E05Y 2600/46** (2013.01); **E05Y 2900/506** (2013.01); **E05Y 2900/51** (2013.01)

Citation (applicant)

EP 0351877 A1 19900124 - IVECO FIAT [IT]

Citation (search report)

- [XAI] WO 2017182475 A1 20171026 - BODE GMBH & CO KG GEBR [DE]
- [A] DE 202004014186 U1 20060202 - BODE GMBH & CO KG [DE]
- [A] EP 3196393 A1 20170726 - BODE GMBH & CO KG GEBR [DE]

Cited by

EP4310285A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3569805 A1 20191120

DOCDB simple family (application)

EP 18382342 A 20180518