

Title (en)

DEVICE FOR AT LEAST PARTIALLY AUTOMATIC ACTUATION OF A DOOR WING

Title (de)

VORRICHTUNG ZUM ZUMINDEST TEILWEISE AUTOMATISCHEN BETÄTIGEN EINES TÜRFLÜGELS

Title (fr)

DISPOSITIF D'ACTIONNEMENT AU MOINS PARTIELLEMENT AUTOMATIQUE D'UN VANTAIL DE PORTE

Publication

EP 3460155 B1 20211117 (DE)

Application

EP 17193015 A 20170925

Priority

EP 17193015 A 20170925

Abstract (en)

[origin: US2019093407A1] A device for at least partially automatically actuating a door leaf, includes a drive having a drive axis of rotation for driving the door leaf at least partially during a movement between an opening position and a closing position, a casing element having a casing axis of rotation for assisting a movement of the door leaf, lever kinematics having at least one lever arm for establishing an operative connection between the drive and the casing element. The lever arm includes a drive-sided connection section, which is supported to be rotationally movable around the drive axis of rotation. The lever kinematics includes at least one transmission component for transferring electric energy and/or data between at least one casing-sided energy source and a drive-sided energy recipient. The connection section has a cranked course, wherein a multi-layered functional compartment for mechanically connecting the lever arm and for electrically connecting the transmission component to the drive is configured along the cranked course of the connection section.

IPC 8 full level

E05F 1/10 (2006.01); **E05F 15/63** (2015.01)

CPC (source: CN EP US)

E05F 1/10 (2013.01 - EP US); **E05F 3/227** (2013.01 - US); **E05F 15/00** (2013.01 - US); **E05F 15/53** (2015.01 - CN US); **E05F 15/60** (2015.01 - CN); **E05F 15/611** (2015.01 - CN); **E05F 15/627** (2015.01 - US); **E05F 15/63** (2015.01 - EP US); **E05F 15/70** (2015.01 - US); **E05F 2015/631** (2015.01 - EP US); **E05Y 2400/654** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - CN EP US)

Citation (examination)

EP 3348766 A1 20180718 - DORMAKABA DEUTSCHLAND GMBH [DE]

Cited by

EP3835524A1; US11447995B2

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

DOCDB simple family (publication)

EP 3460155 A1 20190327; **EP 3460155 B1 20211117**; CN 109555402 A 20190402; CN 109555402 B 20211116; ES 2901434 T3 20220322; US 10982480 B2 20210420; US 2019093407 A1 20190328

DOCDB simple family (application)

EP 17193015 A 20170925; CN 201810763382 A 20180712; ES 17193015 T 20170925; US 201816130075 A 20180913