

Title (en)
ACTUATING ARM DRIVE

Title (de)
STELLARMANTRIEB

Title (fr)
ENTRAÎNEMENT DE BRAS D'ACTIONNEMENT

Publication
EP 3420168 A1 20190102 (DE)

Application
EP 17711066 A 20170223

Priority
• AT 501462016 A 20160226
• AT 2017060043 W 20170223

Abstract (en)
[origin: WO2017143377A1] Actuating arm drive (1) for at least one pivotably mounted actuating arm (2), in particular for driving a flap (4) of a piece of furniture (3), comprising a pivotably mounted main lever (6), a force accumulator (11), by means of which a force for supporting the opening and/or closing movement of the actuating arm drive (1) can be exerted on the main lever (6) at a force introduction point (x1, x2), and a setting device (15) for setting the force introduction point (x1, x2) on the main lever (6), wherein the force is introduced to the main lever (6) at the force introduction point (x1, x2) via a force introduction element (16) which is loaded by the force accumulator (11) via levers (13, 14), and the setting device (15) is designed to move the force introduction element (16) along a bearing contour (17) formed on the main lever (6), wherein, in each pivoting position of the main lever (6) between the open and closed position of the actuating arm drive (1), and in each setting of the setting device (15), the loaded force introduction element (16) is forced along the bearing contour (17) in the same direction.

IPC 8 full level
E05D 15/40 (2006.01); **E05D 15/46** (2006.01); **E05F 1/10** (2006.01)

CPC (source: EP US)
E05D 15/401 (2013.01 - EP US); **E05F 1/1058** (2013.01 - EP US); **E05F 1/1253** (2013.01 - US); **E05F 1/14** (2013.01 - US);
E05Y 2201/618 (2013.01 - US); **E05Y 2900/20** (2013.01 - EP US)

Citation (search report)
See references of WO 2017143377A1

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)
WO 2017143377 A1 20170831; AT 16381 U1 20190815; CN 108884698 A 20181123; CN 108884698 B 20201106; EP 3420168 A1 20190102; EP 3420168 B1 20210526; EP 3885518 A1 20210929; ES 2884261 T3 20211210; HU E055992 T2 20220128; JP 2019506551 A 20190307; JP 2021042667 A 20210318; JP 7197359 B2 20221227; US 10662690 B2 20200526; US 2018363348 A1 20181220

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AT 2017060043 W 20170223; AT 80222017 U 20160226; CN 201780019947 A 20170223; EP 17711066 A 20170223; EP 21174888 A 20170223; ES 17711066 T 20170223; HU E17711066 A 20170223; JP 2018544895 A 20170223; JP 2020198574 A 20201130; US 201816112019 A 20180824