

Title (en)

LOCKING DEVICE FOR A DOOR OR FLAP

Title (de)

SCHLIESSEINRICHTUNG FÜR EINE TÜR ODER KLAPPE

Title (fr)

MOYEN DE FERMETURE D'UNE PORTE OU D'UN OUVRANT

Publication

EP 3066282 A1 20160914 (DE)

Application

EP 14793111 A 20141103

Priority

- DE 102013222465 A 20131106
- EP 2014073583 W 20141103

Abstract (en)

[origin: WO2015067562A1] The invention relates to a locking device (2) for a door (1) or flap, in particular of a vehicle, comprising: a cylinder lock (6), which has a cylinder bush (7) and a cylinder core (8) rotatably supported in the cylinder bush (7); a bearing bracket (3), which can be or is fastened to the door (1) or flap and which has a receptacle (5) for the cylinder lock (6); and a screw (10), which establishes a mechanical connection of the cylinder bush (7) to a trim element (26) for the door (1) or flap. According to the invention, a bow element (9) that radially surrounds the cylinder bush at least in some regions is provided, which bow element is arranged in such a way that the bow element is movably supported on the bearing bracket (3) and has at least one engagement means (20") for engaging in a hollow (22) of the cylinder bush (7), and that the screw (10) interacts with a threaded hole of the bow element (9) in order to move the bow element, wherein the cylinder bush (7) has a radial recess (18), which forms a pressure surface (17), wherein the screw (10) has a pressure tip (13) at the end of the screw facing the cylinder bush (7), which pressure tip, while inserted in the radial recess (18), interacts with the pressure surface (17) in order to axially and radially support the screw (10).

IPC 8 full level

E05B 9/08 (2006.01); **E05B 79/02** (2014.01); **E05B 85/06** (2014.01)

CPC (source: EP KR US)

E05B 9/082 (2013.01 - US); **E05B 9/084** (2013.01 - EP KR US); **E05B 79/02** (2013.01 - EP KR US); **E05B 79/04** (2013.01 - US);
E05B 83/36 (2013.01 - US); **E05B 85/06** (2013.01 - EP US); **E05Y 2900/531** (2013.01 - KR); **E05Y 2900/548** (2013.01 - KR)

Citation (search report)

See references of WO 2015067562A1

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)

DE 102013222465 A1 20150507; CN 105723039 A 20160629; CN 105723039 B 20200303; EP 3066282 A1 20160914;
EP 3066282 B1 20200506; KR 101832079 B1 20180223; KR 20160081957 A 20160708; US 10107016 B2 20181023;
US 2016251878 A1 20160901; WO 2015067562 A1 20150514; WO 2015067562 A4 20150709

DOCDB simple family (application)

DE 102013222465 A 20131106; CN 201480061119 A 20141103; EP 14793111 A 20141103; EP 2014073583 W 20141103;
KR 20167014648 A 20141103; US 201615148560 A 20160506