

Title (en)

EJECTION DEVICE FOR A MOVABLE FURNITURE PART

Title (de)

AUSSTOSSVORRICHTUNG FÜR EIN BEWEGBARES MÖBELTEIL

Title (fr)

DISPOSITIF D'ÉJECTION POUR UN ÉLÉMENT MOBILE DE MEUBLE

Publication

EP 3289155 A1 20180307 (DE)

Application

EP 16718672 A 20160426

Priority

- DE 102015106781 A 20150430
- EP 2016059274 W 20160426

Abstract (en)

[origin: WO2016174026A1] The invention relates to an injection device for a movable furniture part (3), in particular a door or a flap, which injection devices comprises an ejection element (6), which can be coupled to a movable furniture part (3) and which is provided for moving the movable furniture part (3) into an open position, a releasable locking mechanism, by means of which a force accumulator (24) for actuating the ejection element (6) can be locked in a closed position of the furniture part (3), a loading device for loading the force accumulator (24) after the actuation of the ejection element (6) by means of movement of the furniture part (3) in the opening direction, a retracting device for the ejection element, by means of which the ejection element (6) can be moved in the closing direction after the ejection element (6) has been decoupled from the furniture part (3), wherein the locking mechanism has a first linearly movable slide (20), the loading device has a second movable slide (30), the ejection element (6) is connected to a third slide (40), and the second slide (30) and the third slide (40) can be moved in the opening direction by means of the first slide (20).

IPC 8 full level

E05F 1/10 (2006.01); **E05C 19/16** (2006.01); **E05F 5/02** (2006.01)

CPC (source: EP KR US)

E05C 19/165 (2013.01 - EP KR US); **E05F 1/105** (2013.01 - EP KR US); **E05F 3/00** (2013.01 - US); **E05F 5/02** (2013.01 - EP KR US); **E05Y 2201/22** (2013.01 - EP KR US); **E05Y 2201/221** (2024.05 - EP); **E05Y 2201/244** (2013.01 - EP KR US); **E05Y 2201/474** (2013.01 - EP); **E05Y 2201/722** (2013.01 - EP); **E05Y 2800/00** (2013.01 - EP KR US); **E05Y 2800/122** (2013.01 - KR US); **E05Y 2900/20** (2013.01 - EP KR US)

Cited by

AT16159U1; US10508483B2

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 2016174026 A1 20161103; AU 2016254655 A1 20171005; CA 2979130 A1 20161103; CN 107532443 A 20180102; DE 102015106781 A1 20161103; EP 3289155 A1 20180307; JP 2018514668 A 20180607; KR 20170142168 A 20171227; RU 2017134712 A 20190531; US 2018155972 A1 20180607

DOCDB simple family (application)

EP 2016059274 W 20160426; AU 2016254655 A 20160426; CA 2979130 A 20160426; CN 201680023983 A 20160426; DE 102015106781 A 20150430; EP 16718672 A 20160426; JP 2017556565 A 20160426; KR 20177029750 A 20160426; RU 2017134712 A 20160426; US 201615570424 A 20160426