

Title (en)

LOCKING DEVICE WITH STRONG BOLT PRESSURE SPRING

Title (de)

SCHLIESSVORRICHTUNG MIT STARKER RIEGELDRUCKFEDER

Title (fr)

DISPOSITIF DE FERMETURE COMPRENANT UN RESSORT DE LOQUET

Publication

**EP 3109384 B1 20210526 (DE)**

Application

**EP 16000690 A 20160323**

Priority

DE 202015002250 U 20150324

Abstract (en)

[origin: US2016281391A1] Closing device (1) with a pusher (17), a closing and opening mechanism (7) comprising at least one locking element (9), wherein the at least one locking element (9) movable by means of a latch spring (19) from an open position into a closed is characterized in that the locking spring (19) to assist the closing movement of the at least one locking element (9) in the open position has a first bias voltage by turning the pusher (17) can be generated.

IPC 8 full level

**E05B 15/04** (2006.01); **E05B 59/00** (2006.01); **E05B 63/20** (2006.01); **E05C 9/02** (2006.01)

CPC (source: CN EP KR US)

**E05B 7/00** (2013.01 - KR); **E05B 15/04** (2013.01 - CN EP KR US); **E05B 15/101** (2013.01 - CN); **E05B 59/00** (2013.01 - EP US); **E05B 63/08** (2013.01 - CN); **E05B 63/146** (2013.01 - CN); **E05B 63/20** (2013.01 - CN EP US); **E05C 1/12** (2013.01 - US); **E05C 9/02** (2013.01 - EP US); **E05F 1/08** (2013.01 - KR); **E05F 3/221** (2013.01 - KR); **E05B 2001/0076** (2013.01 - EP US); **E05B 2015/0448** (2013.01 - EP US); **E05B 2063/207** (2013.01 - CN EP US); **E05Y 2201/474** (2013.01 - KR)

Cited by

CN108035627A

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)

**DE 202015002250 U1 20150601**; CN 106013967 A 20161012; CN 106013967 B 20191203; EP 3109384 A1 20161228; EP 3109384 B1 20210526; ES 2883705 T3 20211209; KR 20160114536 A 20161005; PL 3109384 T3 20211206; US 10927571 B2 20210223; US 2016281391 A1 20160929

DOCDB simple family (application)

**DE 202015002250 U 20150324**; CN 201610197217 A 20160324; EP 16000690 A 20160323; ES 16000690 T 20160323; KR 20160035490 A 20160324; PL 16000690 T 20160323; US 201615078458 A 20160323