

Title (en)

AUTOMATIC OPENING AND CLOSING DEVICE FOR DOORS

Title (de)

AUTOMATISCHE ÖFFNUNGS- UND SCHLIESSVORRICHTUNG FÜR TÜREN

Title (fr)

DISPOSITIF DE FERMETURE AUTOMATIQUE ET D'OUVERTURE POUR PORTES

Publication

EP 3936687 A1 20220112 (EN)

Application

EP 20721278 A 20200309

Priority

- ES 201930212 A 20190308
- ES 2020070167 W 20200309

Abstract (en)

The invention relates to an automatic locking device for doors, which comprises a strike (2a, 2b) and at least one lock (1a), the strike comprising a lock plate (20, 35) joined to a door frame. The lock (1a) comprises a box (1) with an anchoring piece (11) attached to the box (1) rotatably with respect to an anchoring pin (5); a latch (7) connected to the box (1) rotatably with respect to a latch pin (4); a spring (8) that opposes the rotation of the latch; a spring (11) that opposes the rotation of the anchoring piece (5) and a rod (22) comprising a head (13) that protrudes with respect to the box (1); a spring (17); and a cover (14), wherein the cover (14) is in direct contact with a releasing piece (11), and wherein a stop (19) and the cover (14) resist the recovering force of the spring (17).

IPC 8 full level

E05B 15/02 (2006.01); **E05B 57/00** (2006.01); **E05B 63/24** (2006.01); **E05C 3/30** (2006.01)

CPC (source: EP ES)

E05B 15/022 (2013.01 - EP); **E05B 47/0001** (2013.01 - ES); **E05B 57/00** (2013.01 - EP); **E05B 63/143** (2013.01 - ES); **E05B 63/24** (2013.01 - EP); **E05C 3/30** (2013.01 - EP)

Citation (search report)

See references of WO 2020183046A1

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)

EP 3936687 A1 20220112; ES 2782050 A1 20200909; ES 2782050 B2 20211111; WO 2020183046 A1 20200917; WO 2020183046 A4 20201217

DOCDB simple family (application)

EP 20721278 A 20200309; ES 201930212 A 20190308; ES 2020070167 W 20200309