

Title (en)

Electronically programmable lock with mobile push button

Title (de)

Schloss mit programmierbarer elektronischer Verschlussvorrichtung über beweglichen Druckknopf

Title (fr)

Serrure à fermeture électronique programmable, à bouton-poussoir mobile

Publication

EP 2053185 B1 20130327 (FR)

Application

EP 08380129 A 20080430

Priority

ES 200702794 A 20071025

Abstract (en)

[origin: EP2053185A2] The lock has a movable push-button (3) fixed to an oblong push-rod (5). The push-button moves in ascending and descending manner under the action of a spring (11) coaxial to a fixed slide (4). A tab (6) has ring bolts sliding in grooves (13) of the push-rod. A microcontroller (17) activates a solenoid (9) with an axle (15) that is projected at an end and placed on a surface of the push-rod by stopping the ascending movement. The axle has a hold down clamp (10) with a contact (16) at another end to indicate good operation of the lock conforming to programmed logic, to the microcontroller.

IPC 8 full level

E05B 47/06 (2006.01); **E05C 1/06** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP ES US)

E05B 1/0038 (2013.01 - EP ES US); **E05B 5/003** (2013.01 - ES US); **E05B 47/0657** (2013.01 - ES); **E05B 47/0673** (2013.01 - EP US); **E05C 1/06** (2013.01 - EP US); **E05B 9/00** (2013.01 - EP US); **Y10S 292/37** (2013.01 - EP US); **Y10T 70/5761** (2015.04 - EP US); **Y10T 70/5832** (2015.04 - EP US); **Y10T 70/7102** (2015.04 - EP US); **Y10T 70/713** (2015.04 - EP US); **Y10T 70/8027** (2015.04 - EP US); **Y10T 292/0995** (2015.04 - EP US); **Y10T 292/1021** (2015.04 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2053185 A2 20090429; **EP 2053185 A3 20120425**; **EP 2053185 B1 20130327**; ES 2331500 A1 20100105; ES 2331500 B2 20100827; ES 2405540 T3 20130531; PL 2053185 T3 20130830; US 2009107192 A1 20090430; US 7540176 B2 20090602

DOCDB simple family (application)

EP 08380129 A 20080430; ES 08380129 T 20080430; ES 200702794 A 20071025; PL 08380129 T 20080430; US 11176108 A 20080429