

Title (en)

ELECTRIC LOCKING DEVICE FOR FITTINGS LIKE ESPAGNOLETTE BOLTS OR BOLT LOCKS

Publication

EP 0310533 B1 19911113 (FR)

Application

EP 88440079 A 19880926

Priority

FR 8713822 A 19871002

Abstract (en)

[origin: JPH01158187A] PURPOSE: To simplify a manufacturing process management by providing an electrical locking device at a location on a longitudinal direction extended line of an espagnolette separately from an espagnolette incorporated into a easing integrated with a locking surface. CONSTITUTION: When an electric motor 9 is operated, a gear 32 is rotated, slide metal 19 provided with a rack 33 engaged with the gear 32 moves in the direction of a lock surface 82 along a base plate 12 of a casing 7 and sliding surfaces 23, 24, 25 of a cover 11. A block 26 provided at a tip part 20 of the slide metal 19 enters a groove provided on a connecting member 21, the connecting member 21 connected with an operating mechanism 3 is fixed, and doors and windows are locked.

IPC 1-7

E05C 9/04

IPC 8 full level

E05B 63/14 (2006.01); **E05B 9/08** (2006.01); **E05B 47/00** (2006.01); **E05C 9/00** (2006.01); **E05C 9/04** (2006.01)

CPC (source: EP KR US)

E05C 9/00 (2013.01 - EP US); **E05C 9/02** (2013.01 - KR); **E05B 47/0012** (2013.01 - EP US); **E05B 2047/002** (2013.01 - EP US); **E05B 2047/0024** (2013.01 - EP US); **E05B 2047/0026** (2013.01 - EP US); **Y10T 292/1021** (2015.04 - EP US); **Y10T 292/57** (2015.04 - EP US); **Y10T 292/62** (2015.04 - EP US)

Cited by

EP3623550A1; FR3085987A1

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0310533 A1 19890405; **EP 0310533 B1 19911113**; AT E69479 T1 19911115; DE 3866208 D1 19911219; ES 2028350 T3 19920701; FR 2621348 A1 19890407; FR 2621348 B1 19940311; GR 3003430 T3 19930217; HK 46392 A 19920703; JP H01158187 A 19890621; KR 890006945 A 19890617; SG 37592 G 19920724; US 4936613 A 19900626

DOCDB simple family (application)

EP 88440079 A 19880926; AT 88440079 T 19880926; DE 3866208 T 19880926; ES 88440079 T 19880926; FR 8713822 A 19871002; GR 910402126 T 19911223; HK 46392 A 19920625; JP 24755588 A 19881003; KR 880012890 A 19880930; SG 37592 A 19920403; US 24994988 A 19880927