

Title (en)

Locking device for emergency exit.

Title (de)

Schliessvorrichtung für Notausgang.

Title (fr)

Dispositif de verrouillage d'une issue de secours.

Publication

**EP 0461013 B1 19931215 (FR)**

Application

**EP 91401432 A 19910603**

Priority

FR 9006951 A 19900605

Abstract (en)

[origin: US5149157A] The locking device is capable selectively of taking up a first operating mode for use in the presence of the public in which it provides positive safety unlocking under remote control by interrupting the current feeding an electromagnet, and a second operating mode for use when the public is absent, and which is more secure. The device includes a bolt pivotally mounted about a bolt axis. The pivoting bolt co-operates with a retraction spring which has energy stored therein when the bolt is in its door-closing position, and also with a locking piston which is guided by a guide part to move perpendicularly to the axis. The bolt-locking means includes a toggle mechanism comprising a first link that pivots about a fixed first axis, and a second link hinged about a moving second axis to the first link and about a moving third axis to the piston. The moving second and third axes are parallel to the fixed first axis. In the locked position, the axes are substantially in alignment along the displacement direction of the piston and a toggle-collapsing spring has energy stored therein.

IPC 1-7

**E05B 65/10**; **E05B 47/00**

IPC 8 full level

**E05B 47/04** (2006.01); **E05B 47/06** (2006.01); **E05B 15/00** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP US)

**E05B 47/0002** (2013.01 - EP US); **E05B 47/0607** (2013.01 - EP US); **E05B 15/0086** (2013.01 - EP US); **E05B 47/0006** (2013.01 - EP US); **E05B 47/0012** (2013.01 - EP US); **E05B 2047/0024** (2013.01 - EP US); **E05B 2047/0076** (2013.01 - EP US); **Y10S 292/49** (2013.01 - EP US); **Y10T 292/699** (2015.04 - EP US)

Cited by

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Designated contracting state (EPC)

BE CH DE ES FR GB IT LI LU NL

DOCDB simple family (publication)

**EP 0461013 A1 19911211**; **EP 0461013 B1 19931215**; DE 69100781 D1 19940127; DE 69100781 T2 19940623; FR 2662735 A1 19911206; FR 2662735 B1 19920918; US 5149157 A 19920922

DOCDB simple family (application)

**EP 91401432 A 19910603**; DE 69100781 T 19910603; FR 9006951 A 19900605; US 70892691 A 19910531