

Title (en)

Electric door lock mechanism, particularly for use in emergency exits.

Title (de)

Elektrisch betriebenes Türschloss, speziell für Notausgänge.

Title (fr)

Serrure activée à l'électricité, notamment pour portes de secours.

Publication

EP 0174790 A1 19860319 (EN)

Application

EP 85306230 A 19850903

Priority

GB 8422684 A 19840907

Abstract (en)

A lock mechanism particularly suitable for an emergency door in a railway platform edge screen. The door is normally locked shut but on the side facing the track has a panic handle for emergency use. On the platform side a "secret" means is provided for unlocking the door which releases a movable latch keeper which normally locks the door by positively engaging a latch bolt. The keeper is prevented from moving by a locking means held in position by the armature of an energised solenoid. The "secret" unlocking means temporarily de-energises the solenoid which withdraws the locking means permitting movement of the keeper if the door is opened. After a predetermined delay period the solenoid is re-energised and the door is automatically re-locked.

IPC 1-7

E05B 65/10

IPC 8 full level

E05B 47/06 (2006.01); **E05B 65/10** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)

E05B 47/0607 (2013.01); **E05B 65/10** (2013.01); **E05B 47/00** (2013.01); **E05B 47/0002** (2013.01)

Citation (search report)

- DE 3032086 A1 19820311 - SCOVILL SICHERHEITSEINRICHTUNG [DE]
- DE 2555592 A1 19760616 - BRAENDSTROEM PAUL HERBERT [SE], et al

Cited by

FR2616472A1; EP0978613A1; ES2157145A1; US9062479B2; US8752870B2

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 0174790 A1 19860319; GB 2164087 A 19860312; GB 8422684 D0 19841010; GB 8521866 D0 19851009

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