

Title (en)
LOCKING MECHANISM FOR DOOR OF SECURITY ENCLOSURE

Publication
EP 0087225 B1 19850904 (EN)

Application
EP 83300444 A 19830128

Priority
AU PF267082 A 19820211

Abstract (en)
[origin: EP0087225A1] The rotary thrower (19) for the bolts (25) of a safe door is driven from a wheel (16) through a bobbin-shaped member (18) keyed rotationally within the thrower but borne for limited axial movement therein. When the main bolts (25) are thrown, locks (31, 32) act to lock the thrower (19) by shooting their own bolts (33, 34) into apertures (35, 36) in the thrower; the lock bolts also shoot into a groove (37) in the bobbin (18) to withdraw that member from the wheel (16) and thus disengage the drive connection between the external handle (not shown) and the main bolts (25). A "relocker" bolt (41) is also provided and can be triggered by frangible plates (13, 14) to lock into an aperture (44) in the thrower (19) and engage in the groove (37) to maintain the bobbin (18) disengaged from the wheel (16), independently of the state of the primary locks (31, 32).

IPC 1-7
E05G 1/04

IPC 8 full level
E05B 65/00 (2006.01)

CPC (source: EP)
E05B 65/0075 (2013.01); **E05B 65/0082** (2013.01)

Citation (examination)
GB 2094390 A 19820915 - CHUBB & SONS LOCK & SAFE CO

Cited by
EP2586951A4; US9359805B2

Designated contracting state (EPC)
BE DE FR IT LU NL SE

DOCDB simple family (publication)
EP 0087225 A1 19830831; EP 0087225 B1 19850904; DE 3360692 D1 19851010; DK 54583 A 19830812; DK 54583 D0 19830209; ES 519676 A0 19840716; ES 8406622 A1 19840716; GB 2114649 A 19830824; GB 2114649 B 19860122; GB 2151694 A 19850724; GB 2151694 B 19860122; GB 8302804 D0 19830309; GB 8502463 D0 19850306; NZ 203263 A 19860808; PT 76207 A 19830301; PT 76207 B 19851220

DOCDB simple family (application)
EP 83300444 A 19830128; DE 3360692 T 19830128; DK 54583 A 19830209; ES 519676 A 19830210; GB 8302804 A 19830202; GB 8502463 A 19850131; NZ 20326383 A 19830211; PT 7620783 A 19830207