

Title (en)
LOCKS

Publication
EP 0134317 B1 19870812 (EN)

Application
EP 83201291 A 19830907

Priority
GB 8225310 A 19820906

Abstract (en)
[origin: EP0134317A1] A lock includes a solenoid-operated striker unit (4) for capturing pin-bolts (9) of the shot bolt assembly (3) of a key-operable locking mechanism (1) of a hinged door (2). The pin-bolts (9) are captured within a keep channel-member (13) that slides up and down within a fixed channel-member (10) between an upper, release position in which slots (14) in the member (13) are in register with slots (11) in the member (10) and a lower, locking position in which the slots (14) are out of register with the slots (11). The member (10) is set perpendicularly to the general plane of swing of the door (2), the pin-bolts (9) being free to move into and out of the channel-member (13) through the aligned slots (11, 14) when that member has been lifted into its release position by the solenoid (17) or a manually-actuable lever (27). A catch (19) latches the member (13) in this position until released allowing the member (13) to move to its locking position under spring action, in response to entry of the uppermost pin-bolt (9) into the striker unit (4). According to a modification a catch (31) is released by a forwardly-offset pin-bolt (32), and a keep member (30) slides up and down behind an apertured bar (29) rather than within a channel member. Also according to an alternative, a solenoid-lifted cylindrical keep-member (41) rotates about its longitudinal axis in admitting pin-bolts (44) to, and releasing them from, axially-directed slots (46) that capture the pin-bolts (44) when the member (41) moves downwardly under resilient bias.

IPC 1-7
E05B 15/00; **E05B 47/00**

IPC 8 full level
E05B 47/00 (2006.01)

CPC (source: EP)
E05B 47/0046 (2013.01); **E05B 63/0069** (2013.01)

Cited by
FR2931184A1; US7357429B2

Designated contracting state (EPC)
DE FR IT NL SE

DOCDB simple family (publication)
EP 0134317 A1 19850320; **EP 0134317 B1 19870812**; AU 1863083 A 19840315; AU 560518 B2 19870409; GB 2127089 A 19840404; GB 2127089 B 19851224; GB 8323614 D0 19831005; IE 54456 B1 19891011; IE 832019 L 19840306; NZ 205412 A 19870331; ZA 836504 B 19840425

DOCDB simple family (application)
EP 83201291 A 19830907; AU 1863083 A 19830901; GB 8323614 A 19830902; IE 201983 A 19830829; NZ 20541283 A 19830829; ZA 836504 A 19830901