Title (en)
Lock

Title (de)
Schloss

Title (fr)
Serrure

Publication
EP 1431481 A3 20080402 (DE)

Application
EP 03026357 A 20031118

Priority
DE 10261129 A 20021220

Abstract (en)
[origin: EP1431481A2] Lock (1) comprises a lock case (3) containing a spring-loaded locking bar (6), a lock plate (2), an auxiliary latch, a cross latch having an upper (4) and a lower latch element (5), a slide (7) with a slotted link (8) and catches, and a latch nut (14) for operating the lock and actuated via a door handle. The upper latch element is arranged above the locking bar and the lower latch element is arranged below the locking bar. These elements interact with the auxiliary latch so that the locking bar expulsion is triggered only when after simultaneous actuation of the latch elements and the auxiliary latch the latch elements are moved into a pivoted position through the lock plate out of the lock case. The auxiliary latch remains actuated.

IPC 8 full level
E05B 59/00 (2006.01); E05B 63/20 (2006.01); E05B 47/00 (2006.01); E05B 47/06 (2006.01); E05B 53/00 (2006.01); E05B 63/00 (2006.01); E05B 65/10 (2006.01)

CPC (source: EP)
E05B 63/20 (2013.01); E05B 47/0012 (2013.01); E05B 47/0676 (2013.01); E05B 53/003 (2013.01); E05B 63/0065 (2013.01); E05B 65/1086 (2013.01); E05B 2047/002 (2013.01); E05B 2047/0094 (2013.01)

Citation (search report)
- [DA] DE 19626752 A1 19980108 - DORMA GMBH & CO KG [DE]
- [A] DE 4337969 A1 19950420 - KRACHTEN THEODOR [DE]
- [A] DE 8704036 U1 19870702
- [A] US 6217087 B1 20010417 - FULLER MARK WESTON [US]

Cited by
EP3135842A1; EP1990487A3; EP3111964A1; CN102191890A; EP2543802A3; EP1777361A3; EP2151536A3; EP1777361A2; WO2006070062A1; WO2011109573A3; WO2006070025A1; EP2543802B1; EP3619382B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
EP 1431481 A2 20040623; EP 1431481 A3 20080402; EP 1431481 B1 20100602; AT E470036 T1 20100615; DE 10261129 A1 20040701; DE 10261129 B4 20050113; DE 50312760 D1 20100715; DK 1431481 T3 20101004; ES 2344688 T3 20100903; PT 1431481 E 20100621

DOCDB simple family (application)
EP 03026357 A 20031118; AT 03026357 T 20031118; DE 10261129 A 20021220; DE 50312760 T 20031118; DK 03026357 T 20031118; ES 03026357 T 20031118; PT 03026357 T 20031118