

Title (en)
Automatically releasing lock

Title (de)
Selbstverriegelndes Schloss

Title (fr)
Serrure autobloquante

Publication
EP 0854261 B1 20020102 (DE)

Application
EP 98100725 A 19980116

Priority
DE 19701761 A 19970120

Abstract (en)
[origin: US6125670A] A self-locking lock with a bolt, a lock swing catch and an auxiliary swing catch, in which the bolt and lock swing catch move out in a locking position in spring-loaded manner with the door closed and move out in a locking position are lockable by a slide plate, while the auxiliary swing catch pressed on a locking plate and in which the bolt, with the door open, is held back in the lock housing and is arrestable by the auxiliary swing catch by means of the slide plate. In order to provide a lock secure against manipulation and reliable in operation, where an uncontrollable extension of the bolt is particularly effectively prevented even in intermediate states of the opening and closing process, on opening the bolt leads compared with the lock swing catch and is arrestable completely retracted in the lock and the lock swing catch is provided with a widening, e.g., with a pivotable, springloaded swing catch part. As a result the lock swing catch engages longer on the locking plate and lags behind the auxiliary swing catch, so that the slide plate and bolt are arrested until the auxiliary swing catch arrests the slide plate and bolt. The lock swing catch widening has no effect on closing.

IPC 1-7
E05B 63/20; **E05B 15/10**

IPC 8 full level
E05B 15/10 (2006.01); **E05B 63/20** (2006.01); **E05B 47/06** (2006.01); **E05B 59/00** (2006.01); **E05B 63/00** (2006.01); **E05B 65/10** (2006.01)

CPC (source: EP US)
E05B 63/20 (2013.01 - EP US); **E05C 9/025** (2013.01 - EP); **E05B 15/102** (2013.01 - EP US); **E05B 47/0002** (2013.01 - EP US); **E05B 47/0676** (2013.01 - EP US); **E05B 59/00** (2013.01 - EP US); **E05B 65/1086** (2013.01 - EP US); **E05B 2063/207** (2013.01 - EP US); **Y10T 70/5226** (2015.04 - EP US); **Y10T 70/5239** (2015.04 - EP US)

Cited by
EP3438384A1; CN110499965A; EP3907356A1; CN101818597A; DE102006011263B4; DE102006011263A1; AT407549B; EP1031686A3; EP3106593A1; EP1832700A2

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
US 6125670 A 20001003; AT E211521 T1 20020115; CA 2227400 A1 19980720; CA 2227400 C 20011113; DE 19701761 C1 19980416; DE 59802772 D1 20020228; EP 0854261 A1 19980722; EP 0854261 B1 20020102; ES 2169448 T3 20020701

DOCDB simple family (application)
US 933098 A 19980120; AT 98100725 T 19980116; CA 2227400 A 19980120; DE 19701761 A 19970120; DE 59802772 T 19980116; EP 98100725 A 19980116; ES 98100725 T 19980116