

Title (en)
Rekeyable cylinder lock

Title (de)
Zylinderschloss mit veränderbarer Schlüsselkombination

Title (fr)
Serrure à possibilité de changement de clé

Publication
EP 1975351 A1 20081001 (EN)

Application
EP 07425182 A 20070328

Priority
EP 07425182 A 20070328

Abstract (en)
Described herein is a cylinder lock of the type comprising a lock body or stator (8), a cylinder or rotor (10), mounted so that it can turn in the body and having a passage (12) for introduction of a key, an aligned series of first pins (11) mounted so that they can slide radially in the cylinder (10) in positions distributed along the axis of the cylinder, and an aligned series of second pins (13), slidably mounted in the stator (8) and designed to co-operate with said first pins (11), said lock being characterized in that it moreover comprises: - a rekeying element (2), which is set in a position corresponding to the interface between the rotor and the stator, in a first position said rekeying element preventing two or more of said first pins (11) from co-operating with respective second pins (13); and - a main key (3b) comprising a key body, which, when said key is inserted in said key passage (12), cooperates with said two or more first pins (11) so as to displace said rekeying element (2) into a second position such that, following upon rotation of the rotor (10), said rekeying element (2) sets itself within a seat (6) made in said rotor (10) so as not to be able to interact any longer with said two or more first pins (11).

IPC 8 full level
E05B 27/00 (2006.01); **E05B 35/10** (2006.01)

CPC (source: EP)
E05B 27/005 (2013.01)

Citation (search report)
• [A] WO 2007007313 A1 20070118 - MUL T LOCK TECHNOLOGIES LTD [IL], et al
• [A] CH 652164 A5 19851031 - BAUER KABA AG
• [A] EP 0918124 A1 19990526 - GOAL KK [JP]
• [A] US 3431757 A 19690311 - HORI HIDEO
• [A] WO 0125569 A1 20010412 - ASSA AB [SE], et al
• [A] FR 2761715 A1 19981009 - ACCES L [FR]

Cited by
CN102304987A; ITMI20110998A1; EP3835513A1; WO2021116515A1

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1975351 A1 20081001; EP 1975351 B1 20110817; AT E520849 T1 20110915; CN 101275445 A 20081001; CN 101275445 B 20130327; ES 2370044 T3 20111212; RU 2008111821 A 20091010; RU 2417297 C2 20110427

DOCDB simple family (application)
EP 07425182 A 20070328; AT 07425182 T 20070328; CN 200810087484 A 20080328; ES 07425182 T 20070328; RU 2008111821 A 20080327