

Title (en)
BREAK-IN RESISTANT LOCK

Title (de)
EINBRUCHSICHERES SCHLOSS

Title (fr)
SERRURE ANTI-EFFRACTION

Publication
EP 2212493 A1 20100804 (EN)

Application
EP 07849733 A 20071031

Priority
IT 2007000764 W 20071031

Abstract (en)
[origin: WO2009057170A8] A break-in resistant lock (1), of the type which comprises a box-like body (2) for accommodating a plurality of contoured plates (3) provided with a respective portion which is suitable for detachable engagement on a corresponding area of a rod (4) which can perform a translational motion and supports, at its free end (5), at least one bolt (6) which can retract monolithically with the rod (4). The plates (3) can perform a vertical translational motion by way of the action of the key and release, when they are raised, the translational motion of the rod (4) and the bolts (6) for their retraction and protrusion. At least one of the plates (3) comprises at least one area (7) provided with at least one seat (8) which is aligned and proximate to at least one protrusion (9) which is shaped substantially complementarily with respect to the shape of the seat (8). The at least one plate (3) provided with the at least one seat (8) is able to oscillate, about a guiding pivot (10) rigidly coupled to the box-like body (2), from a first configuration for mutual engagement of the at least one seat (8) with the respective at least one protrusion (9), as a consequence of external break-in actions aimed at retracting the rod (4) and the bolts (6), in which translational motion of the plates (3) is not allowed and therefore the rod (4) is locked, to a second inactive configuration, in which the seat (8) and the protrusion (9) are spaced and the translational motion of the plates (3) is free and therefore the rod (4) can be extracted and retracted.

IPC 8 full level
E05B 21/00 (2006.01); **E05B 63/00** (2006.01)

CPC (source: EP)
E05B 21/00 (2013.01); **E05B 63/0017** (2013.01); **E05B 35/083** (2013.01)

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)
WO 2009057170 A1 20090507; WO 2009057170 A8 20090730; AT E510984 T1 20110615; CN 101842542 A 20100922; CN 101842542 B 20130102; EP 2212493 A1 20100804; EP 2212493 B1 20110525; ES 2366159 T3 20111017; PL 2212493 T3 20111031

DOCDB simple family (application)
IT 2007000764 W 20071031; AT 07849733 T 20071031; CN 200780101362 A 20071031; EP 07849733 A 20071031; ES 07849733 T 20071031; PL 07849733 T 20071031