

Title (en)
BREAK-IN RESISTANT LOCK

Title (de)
EINBRUCHSICHERES SCHLOSS

Title (fr)
VERROU ANTIEFFRACTION

Publication
EP 2304136 B1 20130626 (EN)

Application
EP 08789947 A 20080506

Priority
IT 2008000307 W 20080506

Abstract (en)
[origin: WO2009136418A1] A break-in resistant lock (1) comprising 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 jointly with the rod (4). The plates (3) can perform a vertical translational motion by way of the action of the key and release the translational motion, when they are lifted, of the rod (4) and of the bolts (6) for their retraction and protrusion. At least one of the plates (3) is constituted by a respective rear plate (7) and by a respective front tumbler (8), which are mutually coupled by means of a complementary contoured portion provided on their mutually facing edges (9). The front tumbler (8) comprises a protruding arm (10), which is interposed between the front of the rear plate (7) and a protective housing (11). The arm (10) has a shape and dimensions which are complementary to the interspace provided between the plate (7) and the housing (11) to prevent the possibility to access the plate (7) with break-in tools.

IPC 8 full level
E05B 21/00 (2006.01); **E05B 35/08** (2006.01)

CPC (source: EP)
E05B 21/00 (2013.01); **E05B 35/083** (2013.01); **E05B 15/108** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009136418 A1 20091112; CN 102016204 A 20110413; EP 2304136 A1 20110406; EP 2304136 B1 20130626; UA 98392 C2 20120510; ZA 201008360 B 20110831

DOCDB simple family (application)
IT 2008000307 W 20080506; CN 200880129131 A 20080506; EP 08789947 A 20080506; UA A201014411 A 20080506; ZA 201008360 A 20101122