

Title (en)
BREAK-IN RESISTANT LOCK

Title (de)
EINBRUCHSICHERES SCHLOSS

Title (fr)
SERRURE ANTI-EFFRACTION

Publication
EP 2536903 A1 20121226 (EN)

Application
EP 10711736 A 20100218

Priority
IT 2010000055 W 20100218

Abstract (en)
[origin: WO2011101877A1] A break-in resistant lock (1) comprising a box-like containment body (2) provided with openings (3) along one of its perimetric faces for the passage of at least one spring-latch and at least one bolt. The bolt- is actuated by means of a respective band that performs a translational motion and in turn is actuated to perform a translational motion by way of the rotations of at least one key; the rotations of the at least one key are dependent upon the movement into the disengagement configuration, with respect to an adapted fixed pivot on the band, of a plurality of combination plates, each constituted by a lamina and a complementary lamina which are mutually mated and can be uncoupled by means of a lever system (4) which is operated with a tool (5) from outside through a respective hole (6). The lever system (4) comprises a translating rod (7) and a contoured arm (8) which can rotate with respect to a pivoting axis (9). The rod (7) can move from a first inactive configuration, in which one of its edges (10) is substantially aligned with and proximate to a portion (11) of the arm (8), preventing its rotation, to a second enabling configuration, in which, by means of the tool (5) inserted in the hole (6) in axial compression of the rod (7), an end (12) of the rod (7) rests on a tab (13) of the arm (8), which is substantially eccentric with respect to the axis (9). In this second configuration the arm (8) is turned through a predefined angle and interferes, by means of its end stem (14), with the complementary laminas for their uncoupling from the respective laminas.

IPC 8 full level
E05B 35/08 (2006.01)

CPC (source: EP)
E05B 35/083 (2013.01)

Citation (search report)
See references of WO 2011101877A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2011101877 A1 20110825; WO 2011101877 A8 20111110; EA 027077 B1 20170630; EA 201290805 A1 20130329;
EP 2536903 A1 20121226; EP 2536903 B1 20140604

DOCDB simple family (application)
IT 2010000055 W 20100218; EA 201290805 A 20100218; EP 10711736 A 20100218