

Title (en)
HIGH SECURITY HOOKED LOCK

Title (de)
HOCHSICHERES HAKENSCHLOSS

Title (fr)
VERROU A CROCHET HAUTE SECURITE

Publication
EP 3095935 A1 20161123 (EN)

Application
EP 15168912 A 20150522

Priority
EP 15168912 A 20150522

Abstract (en)
The present invention is a lock comprising a casing (1); at least one hook (2) which is located on the front section (9) in the casing (1) and each of which operates by rotating around the hook pin (6) assigned to itself; hook blockage part (4) as many as the hook (2) itself that can be moved reversibly when it is pushed by the hook (2) during said rotation; resistance block (3) corresponding to each hook (2), each of which has a proper form and size such that it matches with each of the hook blockage part (4) and when unauthorized people force to lock, it restricts this motion by matching with hook blockage part (4), and which is integrated with the casing (1); locking plate (11) as many as the hook (2) itself, which is embedded in one passage opening (8) comprised in the casing (1), which is suitable for restricting the motion of related hook blockage part (4) by means of reclining to each hook blockage part (4) with a reversible motion, and for releasing the motion of related hook blockage part (4) by means of moving away from the hook blockage part (4) when it reclines to a hook blockage part (4), and which has a form and size suitable for passing through the passage opening (8) between the front section (9) and a rear section; and the safety block (5) which is embedded in a safety block bearing (22) located between the resistance block (3) and the passage opening (8) having a proper form and size so as to allow embedding the locking plate (11), and which has form and size suitable for moving within said safety block bearing (22) by means of the motion of each hook blockage part (4) in the direction of the pin passage opening (21) located in the casing (1).

IPC 8 full level
E05C 3/24 (2006.01)

CPC (source: EP)
E05C 3/24 (2013.01)

Citation (search report)
• [A] DE 202012104042 U1 20130208 - POLYGON PRODUKTDESIGN KONSTRUKTION [DE]
• [A] EP 0542611 A1 19930519 - HUREL DUBOIS AVIONS [FR]

Cited by
US2022333416A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3095935 A1 20161123; EP 3095935 B1 20180207; ES 2662056 T3 20180405; WO 2016188811 A2 20161201; WO 2016188811 A3 20170302

DOCDB simple family (application)
EP 15168912 A 20150522; EP 2016061093 W 20160518; ES 15168912 T 20150522