

Title (en)

Improvements relating to security locks with joint operation hook-shaped lock bolts

Title (de)

Verbesserungen an Sicherheitsschlösser mit gemeinsamer Betätigung der hackenformigen Schliessriegel

Title (fr)

Améliorations concernant des serrures de sécurité avec l'opération collective des verrous de serrure en forme de crochet

Publication

EP 1724420 A1 20061122 (EN)

Application

EP 05103873 A 20050510

Priority

EP 05103873 A 20050510

Abstract (en)

The present invention proposes a security lock comprising regular sliding latches, along with a set of separate hook-shaped latches in the form of curvilinear projections operating jointly in the manner to interlock with suitable latch slots on the door frame. According to the present invention, said curvilinear latches are additionally provided with a plurality of pins vertically projecting from the lateral surfaces of said curvilinear latching means. Those engage into the latch slots and keep the latches and thereby the door fixedly joined to the door frame in case of an unauthorized attempt to release the lock by bending the lock panel inwardly so as to let the latches come out of the slots even though the latches are still in their locking positions.

IPC 8 full level

E05B 63/00 (2006.01); **E05B 57/00** (2006.01); **E05C 3/06** (2006.01)

CPC (source: EP)

E05B 57/00 (2013.01); **E05B 63/0013** (2013.01); **E05B 63/12** (2013.01); **E05B 63/143** (2013.01); **E05C 3/06** (2013.01); **E05C 3/34** (2013.01); **E05C 9/1808** (2013.01); **E05C 9/1841** (2013.01); **E05C 9/1875** (2013.01)

Citation (search report)

- [A] CA 2326478 A1 20010522 - TRUTH HARDWARE CORP [US]
- [A] TR 200402420 U 20050321 - TESIO SRL [IT]
- [A] EP 0679786 A1 19951102 - PARKES JOSIAH & SONS LTD [GB]
- [A] GB 156690 A 19220209 - FRIEDRICH LUTZMANN
- [A] US 5188404 A 19930223 - ORENDORFF GARY R [US]
- [A] US 2004256860 A1 20041223 - TSAI MIAO HSUEH [TW]

Cited by

GB2455777B; GB2455777A; EP4446530A1; WO2012144966A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1724420 A1 20061122; **EP 1724420 B1 20090107**; AT E420261 T1 20090115; CN 101010475 A 20070801; CN 101010475 B 20100519; DE 602005012239 D1 20090226; WO 2006120210 A2 20061116; WO 2006120210 A3 20070111

DOCDB simple family (application)

EP 05103873 A 20050510; AT 05103873 T 20050510; CN 200680000661 A 20060510; DE 602005012239 T 20050510; EP 2006062196 W 20060510