

Title (en)

Security lock hook-shape latch reinforcement pins

Title (de)

Hakenriegelverstärkungsstifte für Sicherheitsschloss

Title (fr)

Tiges de renfort pour pêne à crochet de serrure de sécurité

Publication

**EP 1832698 A1 20070912 (EN)**

Application

**EP 06110990 A 20060310**

Priority

EP 06110990 A 20060310

Abstract (en)

The present invention proposes a security lock comprising a regular sliding bolt (12) along with a set of separate hook-shaped latches (13,14) 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 surface thereof in the manner to face either of the case side sheets. In case of an unauthorized attempt to release the lock by bending the lock panel on the door frame outwardly so as to cause the latches to move in the direction of the frame, the vertically projecting pins within the inside of the case will abut against the lock panel on the lock side and prevent movement of said latches.

IPC 8 full level

**E05B 17/20** (2006.01); **E05B 63/14** (2006.01); **E05B 63/12** (2006.01)

CPC (source: EP)

**E05B 17/2088** (2013.01); **E05B 63/143** (2013.01); **E05B 65/0858** (2013.01); **E05B 63/12** (2013.01)

Citation (search report)

- [XA] GB 2309996 A 19970813 - PADDOCK FABR LTD [GB]
- [X] US 3695068 A 19721003 - EADS CHARLES L, et al
- [A] US 2002017120 A1 20020214 - WATTS JOHN RUSSELL [AU], et al
- [A] EP 1088955 A2 20010404 - ALBAN GIACOMO SPA [IT]
- [A] DE 9321445 U1 19980226 - FLIETHER KARL GMBH & CO [DE]

Cited by

DE102018203293A1; DE102018203293B4; EP3406828A1; CN104948027A; CN103938929A; CN104948028A; US2021230913A1; WO2016071202A1; EP3536882A1; DE102017208797A1

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1832698 A1 20070912**; **EP 1832698 B1 20150128**; CN 101331287 A 20081224; CN 101331287 B 20110907; EA 015020 B1 20110429; EA 200870332 A1 20090630; HK 1123336 A1 20090612; MA 30329 B1 20090401; UA 90793 C2 20100525; WO 2007104704 A2 20070920; WO 2007104704 A3 20071108

DOCDB simple family (application)

**EP 06110990 A 20060310**; CN 200780000724 A 20070308; EA 200870332 A 20070308; EP 2007052193 W 20070308; HK 09100641 A 20090121; MA 31279 A 20081009; UA A200812018 A 20070308