

Title (en)  
HIGH-SECURITY LOCKING DEVICE

Title (de)  
HOCHSICHERE VERRIEGELUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE VERROUILLAGE DE HAUTE SÉCURITÉ

Publication  
**EP 3321454 A1 20180516 (EN)**

Application  
**EP 17200127 A 20171106**

Priority  
IT 201600114296 A 20161111

Abstract (en)  
A high-security locking device comprising a lock and a flat key (1) and a flat key (1) in which the lock comprises a cylindrical rotor (2) presenting a slot (3) with rectangular section for the introduction of the flat key (1) and a stator (4) presenting a cylindrical housing (5) for the rotor (2), the lock comprising first and respectively at least second locking/unlocking means of the rotor (2) arranged on the opposite side of the slot (3), the first and respectively second locking/unlocking means comprising a first (14) and respectively a second (16) locking/unlocking member of rotor (2) and at least a first (15) and respectively at least a second (17a, 17b, 17c, 17d) slider housed in the rotor (2) that moves translatably in parallel to the long sides (3a) of the rectangular section of said slot (3), each slider (15, 17a, 17b, 17c, 17d) presenting a feeler member (18, 20a, 20b, 20c, 20d) of an encryption and a member (19, 21a, 21b, 21c, 21d) to enable the locking/unlocking of the rotor (2).

IPC 8 full level  
**E05B 27/00** (2006.01); **E05B 29/10** (2006.01); **E05B 19/00** (2006.01)

CPC (source: EP)  
**E05B 27/0035** (2013.01); **E05B 27/0078** (2013.01); **E05B 27/0082** (2013.01); **E05B 27/0096** (2013.01); **E05B 19/0064** (2013.01)

Citation (search report)  
• [IA] EP 2055870 A1 20090506 - WINLOC AG [CH]  
• [IA] EP 0737265 A1 19961016 - WINLOC AG [CH]  
• [IA] US 5956986 A 19990928 - VONLANTHEN BENNO [CH]  
• [A] EP 0900310 A1 19990310 - RIELDA SRL [IT]  
• [A] CN 105317279 A 20160210 - ZHU JIABIN

Cited by  
WO2022015166A1; WO2022231431A1; NL2026077B1; NL2028101B1

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)  
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DOCDB simple family (application)  
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