

Title (en)

Non-copyable flat security key and security cylinder

Title (de)

Nicht kopierbarer flacher Sicherheitsschlüssel und Sicherheitszylinder

Title (fr)

Clé de sécurité plate non reproductible et cylindre de sécurité

Publication

EP 1921232 A2 20080514 (EN)

Application

EP 07380275 A 20071015

Priority

ES 200602430 U 20061113

Abstract (en)

The key comprises a flat shank (2) insertable in a slot (3) of a rotor (4) rotatable in a stator (5) of the cylinder (20). A plurality of recesses (6) are aligned along a face of shank (2) to engage and move first detecting pins (7) in rotor (4) in contact with respective first locking pins (8) in stator (5) against first springs (9). A moving element (10) is movable in a shank housing (11) between retracted and extended positions by a third spring (16). One end (12) of said moving element (10) is arranged to engage and move a second detecting pin (13) in rotor (4) in contact with a second locking pin (14) in stator (5) against a second spring (15). The housing (11) is located in the same shank face than recesses (6) and aligned therewith, and the moving element (10) moves perpendicular to the shank face.

IPC 8 full level

E05B 19/00 (2006.01); **E05B 27/00** (2006.01)

CPC (source: EP)

E05B 19/0017 (2013.01); **E05B 27/00** (2013.01); **E05B 35/003** (2013.01)

Cited by

CN103615155A; CN111350418A; DE102011014797B3; WO2014183409A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1921232 A2 20080514; **EP 1921232 A3 20101124**; ES 1064119 U 20070201; ES 1064119 Y 20070501

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