

Title (en)

Cylinderlock with tumbler pin and associated key

Title (de)

Zylinderschloss mit Sperrstift und zugehöriger Schlüssel

Title (fr)

Serrure à pompe avec goupille et clef associée

Publication

EP 1783306 A1 20070509 (FR)

Application

EP 06291694 A 20061031

Priority

FR 0511294 A 20051107

Abstract (en)

The lock has a tubular stator (1) receiving a rotor (2) that is equipped with a head (17) presenting a key housing (3). A grooved case houses grooves that are mobile around a shaft and cooperate with end shapes provided at an axial end of a key. A pin (4) is guided in translation in the rotor along a transversal axis relative to a plane of the housing and includes an end (8) projecting inside the housing and an end (9) penetrating inside a strike plate of the stator. A spring (11) housed in the rotor exerts a centripetal return force on the pin. An independent claim is also included for a key for a Bramah lock or tumbler lock.

IPC 8 full level

E05B 29/00 (2006.01); **E05B 27/00** (2006.01)

CPC (source: EP)

E05B 29/002 (2013.01); **E05B 27/0042** (2013.01)

Citation (search report)

- [XY] DE 2438511 A1 19760219 - MERKLE PAUL
- [XY] EP 0557606 A1 19930901 - KARRENBURG FA WILHELM [DE]
- [DA] FR 2760774 A1 19980918 - VAK PICARD [FR]
- [A] FR 2784130 A1 20000407 - VAK PICARD [FR]
- [A] US 2003019263 A1 20030130 - CHEN WATERSON [TW]
- [XA] EP 0784138 A1 19970716 - GRUNDMANN SCHLIESSTECHNIK [AT]
- [XA] EP 0237799 A2 19870923 - WINKHAUS FA AUGUST [DE]
- [A] US 5611225 A 19970318 - RESCH DENNIS E [US], et al

Cited by

FR2981385A1; FR3050222A1

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)

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DOCDB simple family (application)

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