

Title (en)
Lock cylinder

Title (de)
Schliesszylinder

Title (fr)
Serrure cylindrique

Publication
EP 1418294 A3 20070808 (DE)

Application
EP 03104084 A 20031105

Priority
AT 7472002 U 20021105

Abstract (en)
[origin: EP1418294A2] Lock cylinder comprises a cylinder core (2) rotatably mounted in a housing (1) and having a key channel, and bores (11, 12) protruding from the housing into the key channel. Each bore has a pin pair consisting of a housing pin (10) and a core pin (9) moved by spring force. The insertion depth of at least one core pin into the key channel is reduced relative to the insertion depth of the other core pin by a stop (14). The stop is formed by a gap in the diameter of the bore (11). The bore (12) in the housing and the bore (11) in the cylinder core have a greater diameter up to the gap than the bore continuing (11) in the cylinder core. The housing pin has a diameter corresponding to the housing bore and its displacement path in the cylinder core is limited by the gap.

IPC 8 full level
E05B 27/00 (2006.01); **E05B 17/00** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)
E05B 27/0017 (2013.01); **E05B 17/007** (2013.01); **E05B 27/0007** (2013.01); **E05B 27/0057** (2013.01)

Citation (search report)

- [A] DE 255006 C
- [DA] EP 0771920 A1 19970507 - WINKHAUS FA AUGUST [DE]
- [DA] DE 633934 C 19360812 - OSKAR CAMILLO RECHT

Cited by
DE102007000177A1; CN105155937A; BG993U1; EP2108767A3; EP1997981A3; GB2441400A; ES2273566A1; WO2007134413A1; EP1997981A2; US8056379B2; US8826710B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
AT 6498 U1 20031125; AU 2003259655 A1 20040520; EP 1418294 A2 20040512; EP 1418294 A3 20070808; EP 1418294 B1 20140820; ES 2500116 T3 20140930; NZ 529337 A 20040625

DOCDB simple family (application)
AT 7472002 U 20021105; AU 2003259655 A 20031104; EP 03104084 A 20031105; ES 03104084 T 20031105; NZ 52933703 A 20031104