

Title (en)
Lock cylinder with key

Title (de)
Schliesszylinder mit Schlüssel

Title (fr)
Serrure cylindrique avec clef

Publication
EP 1482109 B1 20080319 (DE)

Application
EP 04011787 A 20040518

Priority
DE 10324205 A 20030528

Abstract (en)
[origin: EP1482109A2] Lock cylinder with a key (2) comprises a cylinder core rotatably mounted in a cylinder housing and provided with a key channel. The key has a highly profiled rib (15) protruding over its broad side and provided with tumbler cut-outs interacting with the tips of tumbler pins (18a-c) consisting of non-rotating core pins and housing pins. The rib has several control tracks (16, 17) arranged next to each other in the key insertion direction which are selectively detected by individual tumbler pins according to an adapted tumbler pin tip design. An independent claim is also included for a key for the above lock cylinder.

IPC 8 full level
E05B 19/06 (2006.01); **E05B 19/00** (2006.01); **E05B 27/00** (2006.01); **E05B 27/04** (2006.01)

CPC (source: EP US)
E05B 19/0017 (2013.01 - EP US); **E05B 27/0017** (2013.01 - EP US); **E05B 27/10** (2021.08 - EP); **E05B 19/0023** (2013.01 - EP US); **E05B 27/0078** (2013.01 - EP US); **E05B 27/10** (2021.08 - US); **E05B 2027/0025** (2013.01 - EP US); **Y10T 70/7605** (2015.04 - EP US); **Y10T 70/7881** (2015.04 - EP US)

Cited by
DE102016102288A1; EP1746227A3; WO2010017941A1; EP3205796A1; EP3889918A1; DE102020108944A1

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1482109 A2 20041201; **EP 1482109 A3 20051228**; **EP 1482109 B1 20080319**; AT E389765 T1 20080415; CN 1572998 A 20050202; DE 10324205 B3 20041021; DE 502004006545 D1 20080430; DK 1482109 T3 20080707; ES 2301895 T3 20080701; PL 1482109 T3 20080731; PT 1482109 E 20080523; SI 1482109 T1 20080831; TW 200427912 A 20041216; US 2004237614 A1 20041202

DOCDB simple family (application)
EP 04011787 A 20040518; AT 04011787 T 20040518; CN 200410047301 A 20040528; DE 10324205 A 20030528; DE 502004006545 T 20040518; DK 04011787 T 20040518; ES 04011787 T 20040518; PL 04011787 T 20040518; PT 04011787 T 20040518; SI 200430745 T 20040518; TW 93109711 A 20040408; US 85232204 A 20040524