

Title (en)
SECURITY KEY AND LOCKING CYLINDER

Title (de)
SICHERHEITSSCHLÜSSEL UND SCHLIESSZYLINDER

Title (fr)
CLE DE SURETE ET CYLINDRE DE FERMETURE

Publication
EP 1523603 B1 20060802 (DE)

Application
EP 03711784 A 20030423

Priority
• CH 0300265 W 20030423
• CH 13032002 A 20020724

Abstract (en)
[origin: US7370503B2] The safety key has a shank which is provided with a plurality of control surfaces for properly positioning tumblers and has a front end and a rear end. At a front end, the rotor of the associated locking cylinder has at least one further control surface, which interacts with a further control surface arranged at the rear end of the shank. The safety key is backward compatible and is relatively difficult to copy.

IPC 8 full level
E05B 19/04 (2006.01); **E05B 35/10** (2006.01); **E05B 15/00** (2006.01); **E05B 27/00** (2006.01); **E05B 15/08** (2006.01); **E05B 29/00** (2006.01); **E05B 35/00** (2006.01)

CPC (source: EP US)
E05B 27/0053 (2013.01 - EP US); **E05B 35/10** (2013.01 - EP US); **E05B 15/08** (2013.01 - EP US); **E05B 35/001** (2013.01 - EP US); **Y10T 70/7446** (2015.04 - EP US); **Y10T 70/7593** (2015.04 - EP US); **Y10T 70/7605** (2015.04 - EP US); **Y10T 70/7684** (2015.04 - EP US); **Y10T 70/7802** (2015.04 - EP US); **Y10T 70/7876** (2015.04 - EP US); **Y10T 70/7881** (2015.04 - EP US)

Citation (examination)
DE 19745834 A1 19990422 - WINKHAUS FA AUGUST [DE]

Cited by
WO2013030077A1; EP3366870A1; EP3366871A1; EP3375956A1; EP3219882A1; EP3219883A1; EP4047161A1; EP2770139A2

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

DOCDB simple family (publication)
WO 2004009937 A1 20040129; AT E335112 T1 20060815; AU 2003218597 A1 20040209; AU 2003218597 B2 20080612; CA 2492088 A1 20040129; CA 2492088 C 20101214; DE 20380210 U1 20040513; DE 50304491 D1 20060914; DK 1523603 T3 20061204; EP 1523603 A1 20050420; EP 1523603 B1 20060802; ES 2269992 T3 20070401; HK 1073877 A1 20051021; JP 2005533944 A 20051110; JP 2009235895 A 20091015; JP 4446886 B2 20100407; JP 4972129 B2 20120711; PL 207157 B1 20101130; PL 373349 A1 20050822; PT 1523603 E 20061229; SI 1523603 T1 20061231; US 2004016273 A1 20040129; US 2006086164 A1 20060427; US 6973814 B2 20051213; US 7370503 B2 20080513

DOCDB simple family (application)
CH 0300265 W 20030423; AT 03711784 T 20030423; AU 2003218597 A 20030423; CA 2492088 A 20030423; DE 20380210 U 20030423; DE 50304491 T 20030423; DK 03711784 T 20030423; EP 03711784 A 20030423; ES 03711784 T 20030423; HK 05106444 A 20050727; JP 2004522084 A 20030423; JP 2009146296 A 20090619; PL 37334903 A 20030423; PT 03711784 T 20030423; SI 200330496 T 20030423; US 29737305 A 20051209; US 43568503 A 20030512