

Title (en)
Locking system

Title (de)
Schliesssystem

Title (fr)
Système de verrouillage

Publication
EP 2314807 B1 20161207 (DE)

Application
EP 10013816 A 20101020

Priority
DE 102009050129 A 20091021

Abstract (en)
[origin: EP2314807A2] The system has a locking cylinder including a cylindrical core that is mounted in a housing, where the cylindrical core is provided with a key channel for guiding a key (1). An auxiliary blocking element is designed for cooperating with a recess (10) that is arranged at a key shaft (3) when the key is inserted till to a maximum insertion depth. The recess is completely arranged in a groove (7) that runs in a longitudinal direction of the key shaft and moves away from a key tip (5), where the groove is formed in a broad side of the key shaft.

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

CPC (source: CN EP US)
E05B 19/00 (2013.01 - US); **E05B 19/0029** (2013.01 - CN); **E05B 27/0003** (2013.01 - CN US); **E05B 27/0021** (2013.01 - CN EP US); **E05B 27/0042** (2013.01 - CN EP US); **E05B 19/0029** (2013.01 - EP US); **E05B 27/0064** (2013.01 - EP US); **Y10T 70/7565** (2015.04 - EP US); **Y10T 70/7599** (2015.04 - EP US); **Y10T 70/7605** (2015.04 - EP US); **Y10T 70/761** (2015.04 - EP US); **Y10T 70/7701** (2015.04 - EP US); **Y10T 70/7774** (2015.04 - EP US); **Y10T 70/7791** (2015.04 - EP US); **Y10T 70/7864** (2015.04 - EP US); **Y10T 70/7881** (2015.04 - EP US)

Citation (examination)
EP 1013856 A1 20000628 - TIEFENTHAL SCHLIESS SYSTEME GM [DE]

Cited by
GB2495714A; NL2013488A; CN102535971A; EP2644809A1; FR2988760A1; EP2770139A3; EP3498944A1; FR3074827A1; EP3366871A1; EP3933152A1; EP4063594A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 2314807 A2 20110427; EP 2314807 A3 20120620; EP 2314807 B1 20161207; AU 2010235953 A1 20110512; AU 2010235953 B2 20151224; AU 2016201029 A1 20160310; AU 2016201029 B2 20170511; CA 2718108 A1 20110421; CA 2718108 C 20170829; CN 102041924 A 20110504; CN 102041924 B 20171208; CN 105909066 A 20160831; DE 102009050129 A1 20110428; DK 2314807 T3 20170306; EP 2826937 A2 20150121; EP 2826937 A3 20150429; EP 2826937 B1 20161207; ES 2612933 T3 20170519; HU E032244 T2 20170928; NZ 588702 A 20120224; PL 2314807 T3 20170630; PL 2826937 T3 20170630; PT 2314807 T 20170210; US 2011252846 A1 20111020; US 2014352375 A1 20141204; US 8915107 B2 20141223; ZA 201007532 B 20110831

DOCDB simple family (application)
EP 10013816 A 20101020; AU 2010235953 A 20101021; AU 2016201029 A 20160219; CA 2718108 A 20101020; CN 201010532945 A 20101021; CN 201610252546 A 20101021; DE 102009050129 A 20091021; DK 10013816 T 20101020; EP 14181016 A 20101020; ES 10013816 T 20101020; HU E10013816 A 20101020; NZ 58870210 A 20101020; PL 10013816 T 20101020; PL 14181016 T 20101020; PT 10013816 T 20101020; US 201414461200 A 20140815; US 90857610 A 20101020; ZA 201007532 A 20101021