

Title (en)  
Locking system

Title (de)  
Schliesssystem

Title (fr)  
Système de fermeture

Publication  
**EP 2826937 A3 20150429 (DE)**

Application  
**EP 14181016 A 20101020**

Priority  
• DE 102009050129 A 20091021  
• EP 10013816 A 20101020

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 27/00** (2006.01); **E05B 19/06** (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 (search report)  
• [A] DE 10031972 A1 20020110 - WINKHAUS FA AUGUST [DE]  
• [A] EP 1048804 A1 20001102 - BREMICKER SOEHNE KG A [DE]  
• [A] WO 0177466 A1 20011018 - KABA SCHLIESSSYSTEME AG [CH], et al  
• [A] US 6119496 A 20000919 - THERIAULT KENNETH T [US]  
• [A] EP 1835095 A1 20070919 - WINKHAUS FA AUGUST [DE]  
• [A] AT 591 U1 19960125 - EVVA WERKE [AT]

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

DOCDB simple family (publication)  
**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

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**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