

Title (en)

ROTATING LOCK CYLINDER AND SECURITY KEY

Title (de)

DREHSCHLIESSZYLINDER UND SICHERHEITSSCHLÜSSEL

Title (fr)

CYLINDRE DE FERMETURE ROTATIF ET CLÉ DE SÉCURITÉ

Publication

EP 2619387 A1 20130731 (DE)

Application

EP 12750754 A 20120823

Priority

- EP 11179018 A 20110826
- EP 2012066402 W 20120823
- EP 12750754 A 20120823

Abstract (en)

[origin: WO2013030077A1] The invention relates to a rotary locking cylinder (2) having a housing (4) and a rotor (3) mounted therein. Furthermore, the tumblers (5, 23) influencing the combinatorics each have a core pin (6, 26) and a housing pin (7, 25) and a key channel (11) incorporated into the rotor (3). The tumblers (5, 23) are arranged in the keyway (11) by inserting the security key (1). The at least two tumblers (5, 23) are mechanically controlled by the security key (1) so that they are arranged radially in different directions. According to the invention, at least one of the tumblers (5) is preferably pulled against the keyway (11) by the security key (1) for arrangement. Furthermore, according to the invention, said at least one tumbler (5) is preferably struck and arranged by a front key tip (10) of the security key (1).

IPC 8 full level

E05B 27/00 (2006.01); **E05B 19/00** (2006.01)

CPC (source: EP US)

E05B 19/0017 (2013.01 - EP US); **E05B 27/00** (2013.01 - EP US); **E05B 27/0003** (2013.01 - US); **E05B 27/0017** (2013.01 - EP US); **E05B 19/0052** (2013.01 - EP US); **Y10T 70/752** (2015.04 - EP US)

Citation (search report)

See references of WO 2013030077A1

Citation (examination)

- EP 0784138 A1 19970716 - GRUNDMANN SCHLIESSTECHNIK [AT]
- EP 0574752 A1 19931222 - BKS GMBH [DE]

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)

WO 2013030077 A1 20130307; CN 103827417 A 20140528; EP 2619387 A1 20130731; JP 2014527132 A 20141009; RU 2014109558 A 20151010; US 2015114058 A1 20150430

DOCDB simple family (application)

EP 2012066402 W 20120823; CN 201280041690 A 20120823; EP 12750754 A 20120823; JP 2014526497 A 20120823; RU 2014109558 A 20120823; US 201214240881 A 20120823