

Title (en)
KEY AND LOCK CYLINDER WITH KEY

Title (de)
SCHLÜSSEL UND DREHSCHLIESSZYLINDER MIT SCHLÜSSEL

Title (fr)
CLE ET CYLINDRE DE FERMETURE ROTATIF DOTE DE CLE

Publication
EP 2998471 B1 20180523 (DE)

Application
EP 15191606 A 20140709

Priority
• EP 13175907 A 20130710
• EP 14737251 A 20140709
• EP 15191606 A 20140709

Abstract (en)
[origin: WO2015004192A1] A key (1) for a rotary cylinder lock (2) comprises a key grip (3) and a key shank (4), which adjoins the key grip (3) and extends along a longitudinal axis (L), wherein the key shank (4) has, on its outside (5), control recesses (10), in particular control bores, for properly positioning tumblers on the rotary cylinder lock (2) and also has at least one control element (6) arranged in a movable manner in the key shank (4), which control element (6) has a control surface (8), which interacts with a tumbler (7) of the rotary cylinder lock (2). Furthermore, the key is characterized in that the key shank (4), in the region of the control element (6), has a tapered cross section (9), which is tapered in relation to the cross section (11) with the control recesses (10).

IPC 8 full level
E05B 19/06 (2006.01); **E05B 19/12** (2006.01); **E05B 27/02** (2006.01)

CPC (source: EP US)
E05B 19/0082 (2013.01 - US); **E05B 27/001** (2013.01 - US); **E05B 27/0014** (2013.01 - US); **E05B 27/0021** (2013.01 - EP US); **E05B 27/0046** (2013.01 - US); **E05B 35/003** (2013.01 - EP US)

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

Designated extension state (EPC)
BA

DOCDB simple family (publication)
WO 2015004192 A1 20150115; CN 105408565 A 20160316; CN 105408565 B 20180105; EA 033975 B1 20191216; EA 201690181 A1 20160729; EP 2844811 A1 20150311; EP 2844811 B1 20160803; EP 2998471 A1 20160323; EP 2998471 B1 20180523; EP 3372759 A1 20180912; EP 3372759 B1 20201216; ES 2600006 T3 20170206; ES 2684638 T3 20181003; HK 1222688 A1 20170707; HR P20161415 T1 20161202; HU E031602 T2 20170728; JP 2016526628 A 20160905; JP 6458021 B2 20190123; MA 38757 A1 20160630; MA 38757 B1 20170228; MY 177881 A 20200924; PL 2844811 T3 20170131; PT 2844811 T 20161017; RS 55312 B1 20170331; SG 10201801126X A 20180328; SG 11201510511S A 20160128; SI 2844811 T1 20161230; TN 2015000556 A1 20160629; US 10125520 B2 20181113; US 2016160528 A1 20160609

DOCDB simple family (application)
EP 2014064726 W 20140709; CN 201480038999 A 20140709; EA 201690181 A 20140709; EP 14737251 A 20140709; EP 15191606 A 20140709; EP 18167478 A 20140709; ES 14737251 T 20140709; ES 15191606 T 20140709; HK 16110770 A 20160912; HR P20161415 T 20161027; HU E14737251 A 20140709; JP 2016524813 A 20140709; MA 38757 A 20140709; MY PI2016700045 A 20140709; PL 14737251 T 20140709; PT 14737251 T 20140709; RS P20160933 A 20140709; SG 10201801126X A 20140709; SG 11201510511S A 20140709; SI 201430084 A 20140709; TN 2015000556 A 20140709; US 201414904194 A 20140709