

Title (en)
LOCKING DEVICE

Title (de)
SCHLIESSVORRICHTUNG

Title (fr)
DISPOSITIF DE FERMETURE

Publication
EP 2454429 B1 20170322 (DE)

Application
EP 10734061 A 20100630

Priority
• EP 2010059249 W 20100630
• DE 102009033487 A 20090715

Abstract (en)
[origin: WO2011006756A1] The invention relates to a locking device, in particular for a motor vehicle, having a key (10) and a lock cylinder (30), having a cylinder core (32), which is mounted in a rotatable manner in a cylinder housing (31) and has a key channel (33) into which the key (10) can be introduced, having spring-loaded tumbler elements (41, 42), which are mounted such that, when the key (10) is inserted into the key channel (33), they can be displaced radially in relation to the axis (34) of the lock cylinder (30), and having a plurality of outer surfaces (13, 14, 15), which are provided on the key (10), have control tracks (11, 12) and act on the tumbler elements (41, 42) when the key (10) is introduced. For this purpose, it is provided according to the invention that the outer surfaces (13, 14, 15) have two narrow sides (14, 15) and two broad sides (13), wherein each broad side (13) is configured with a first control track (11), the first narrow side (14) has a second control track (12), and the second narrow side (15), which is located opposite the first narrow side (14), is designed to be free of any control track.

IPC 8 full level
E05B 19/00 (2006.01); **E05B 19/06** (2006.01); **E05B 29/10** (2006.01); **E05B 29/12** (2006.01)

CPC (source: EP US)
E05B 19/0017 (2013.01 - EP US); **E05B 29/00** (2013.01 - EP US); **E05B 19/0052** (2013.01 - EP US); **Y10T 70/7554** (2015.04 - EP US); **Y10T 70/7565** (2015.04 - EP US); **Y10T 70/7599** (2015.04 - EP US); **Y10T 70/7864** (2015.04 - EP US); **Y10T 70/7881** (2015.04 - 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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009033487 A1 20110120; CN 102472053 A 20120523; CN 102472053 B 20150401; EP 2454429 A1 20120523; EP 2454429 B1 20170322; US 2012297843 A1 20121129; US 8726706 B2 20140520; WO 2011006756 A1 20110120

DOCDB simple family (application)
DE 102009033487 A 20090715; CN 201080031643 A 20100630; EP 10734061 A 20100630; EP 2010059249 W 20100630; US 201013383233 A 20100630