

Title (en)
Locking cylinder

Title (de)
Schließzylinder

Title (fr)
Cylindre de serrage

Publication
EP 2505748 A3 20170308 (DE)

Application
EP 12002216 A 20120328

Priority
DE 102011015314 A 20110329

Abstract (en)
[origin: EP2505748A2] The lock cylinder has locking pin for blocking cylinder core against rotational movement in radially outer blocking position and for releasing cylinder core for rotational movement in radially inner release position. The pin is displaced into release position when all tumbler discs (16) are in their unlatch position. Several intermediate plates (136) are arranged along cylinder axis in core. A respective intermediate plate is arranged between two mutually adjacent tumbler discs, where intermediate plates have predefined backlash (S) relative to core.

IPC 8 full level
E05B 21/06 (2006.01)

CPC (source: EP US)
E05B 15/14 (2013.01 - EP US); **E05B 21/066** (2013.01 - EP US); **Y10T 70/7633** (2015.04 - EP US); **Y10T 70/7695** (2015.04 - EP US); **Y10T 70/7881** (2015.04 - EP US); **Y10T 70/7932** (2015.04 - EP US)

Citation (search report)

- [XAI] US 4317347 A 19820302 - MARTIKAINEN KAARLO, et al
- [A] US 4062211 A 19771213 - MILLER HARRY C, et al
- [AD] EP 0712979 B1 20000202 - BREMICKER SOEHNE KG A [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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2505748 A2 20121003; EP 2505748 A3 20170308; EP 2505748 B1 20190508; AU 2012201832 A1 20121018; AU 2012201832 B2 20140807; CA 2772139 A1 20120929; CA 2772139 C 20160517; CL 2012000767 A1 20120928; CN 102733667 A 20121017; CN 102733667 B 20160511; DE 102011015314 A1 20121004; DK 2505748 T3 20190611; ES 2738198 T3 20200120; IN 861DE2012 A 20150904; JP 2012207523 A 20121025; JP 5938248 B2 20160622; PT 2505748 T 20190729; TW 201245549 A 20121116; TW I565866 B 20170111; US 2013067972 A1 20130321; US 8656746 B2 20140225; ZA 201202272 B 20121227

DOCDB simple family (application)
EP 12002216 A 20120328; AU 2012201832 A 20120328; CA 2772139 A 20120323; CL 2012000767 A 20120328; CN 201210086609 A 20120328; DE 102011015314 A 20110329; DK 12002216 T 20120328; ES 12002216 T 20120328; IN 861DE2012 A 20120323; JP 2012068576 A 20120326; PT 12002216 T 20120328; TW 101110328 A 20120326; US 201213427592 A 20120322; ZA 201202272 A 20120328