

Title (en)
Lock cylinder with lockable plate tumblers

Title (de)
Zylinderschloss mit sperrbaren Plättchenzuhaltungen

Title (fr)
Serrure cylindrique à paillettes verrouillables

Publication
EP 2267251 A3 20150617 (DE)

Application
EP 10006240 A 20100616

Priority
DE 102009030032 A 20090623

Abstract (en)
[origin: EP2267251A2] The lock has a cylinder housing (11), a cylinder core (13) and a set of blockable disk tumblers (21) i.e. wafer tumblers, provided in the core that is rotated relative to the housing in rotary opening direction (O) when the disk tumblers are in unlatched position. Each disk tumbler has a toothed zone (35) brought into engagement with a counter-toothed zone (63) of the lock such that the disk tumbler is blocked against movement opposite to bias direction (X) when the disk tumbler is in latched position and torque is exerted onto the core in opening direction.

IPC 8 full level
E05B 29/00 (2006.01)

CPC (source: EP US)
E05B 29/00 (2013.01 - EP US); **E05B 29/0066** (2013.01 - EP US); **Y10T 70/7599** (2015.04 - EP US); **Y10T 70/7616** (2015.04 - EP US); **Y10T 70/7638** (2015.04 - EP US); **Y10T 70/7932** (2015.04 - EP US); **Y10T 70/7944** (2015.04 - EP US)

Citation (search report)

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- [XI] US 1600661 A 19260921 - WINNING ROBERT K
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EP3578742A1; WO2019234027A1

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

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2267251 A2 20101229; EP 2267251 A3 20150617; CN 101929275 A 20101229; CN 101929275 B 20140820; DE 102009030032 A1 20101230; JP 2011007035 A 20110113; JP 5623152 B2 20141112; US 2010319420 A1 20101223; US 8695390 B2 20140415

DOCDB simple family (application)
EP 10006240 A 20100616; CN 201010001067 A 20100121; DE 102009030032 A 20090623; JP 2010141142 A 20100622; US 81766710 A 20100617