Title (en)

LOCK CYLINDER WITH PLATE HOLDERS FOR A CYLINDER LOCK AND CYLINDER LOCK WITH SUCH A LOCK CYLINDER

Title (de)

SCHLIESSZYLINDER MIT PLÄTTCHENZUHALTUNGEN FÜR EIN ZYLINDERSCHLOSS SOWIE ZYLINDERSCHLOSS MIT EINEM DERARTIGEN SCHLIESSZYLINDER

Title (fr)

BARILLET TUBULAIRE A PAILLETTE POUR UNE SERRURE A CYLINDRE ET SERRURE A BARILLET COMPRENANT UN TEL BARILLET

Publication

EP 3043011 B1 20170920 (DE)

Application

EP 15202532 A 20151223

Priority

DE 102015000213 A 20150107

Abstract (en)

[origin: US2016194902A1] A lock cylinder, for a cylinder lock, having a cylinder housing with a core receiving cut-out and axially extending blocking grooves open to the core receiving cut-out. The lock cylinder having a cylinder core supported inside the core receiving cut-out and having a plurality of guide slots extending through the core. Plate tumblers supported in the guide slots such that they can be displaced back and forth in the plate sliding direction between a locking position, in which the cylinder core is connected to the cylinder housing in a non-rotating manner about a cylinder axis, and a non-locking position, in which they are driven into the cylinder core and the cylinder core can rotate about the cylinder axis. Wherein two plate tumblers are connected to a single spring so as to be driven in opposite directions into their respective locking positions.

IPC 8 full level

E05B 29/00 (2006.01); **E05B 15/04** (2006.01)

CPC (source: CN EP US)

E05B 15/00 (2013.01 - CN); **E05B 15/04** (2013.01 - EP US); **E05B 19/0017** (2013.01 - CN); **E05B 29/00** (2013.01 - CN EP US); **E05B 29/0033** (2013.01 - US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3043011 A1 20160713; **EP 3043011 B1 20170920**; CN 105756428 A 20160713; CN 105756428 B 20190827; DE 102015000213 A1 20160721; DE 102015000213 A8 20161027; DE 102015000213 B4 20210729; US 10370868 B2 20190806; US 2016194902 A1 20160707

DOCDB simple family (application)

EP 15202532 A 20151223; CN 201610010046 A 20160107; DE 102015000213 A 20150107; US 201614990082 A 20160107