

Title (en)
LOCKING CYLINDER

Title (de)
SCHLIESSZYLINDER

Title (fr)
BARILLET

Publication
EP 3045620 B1 20191009 (DE)

Application
EP 15202566 A 20151223

Priority
DE 102014119676 A 20141229

Abstract (en)
[origin: US2016186461A1] A lock cylinder comprises a cylinder housing, a disk housing rotatably supported about a cylinder axis in the cylinder housing and a plurality of rotatably supported disk tumblers arranged along the cylinder axis in the disk housing, wherein each disk tumbler has a reception opening for a key, a blocking cut-out at the outer periphery for an at least partial reception of a blocking pin aligned in parallel with the cylinder axis and a fixing cut-out provided offset from the blocking cut-out at the outer periphery for an at least partial reception of a core pin aligned in parallel with the cylinder axis. The disk tumblers are rotatable from a starting position with a removed key into an end sorting position by a rotation of the introduced key in the latching direction, in which end sorting position the blocking cut-outs of all the disk tumblers are oriented in alignment with one another, viewed in the direction of the cylinder axis. The fixing cut-outs of all the disk tumblers are oriented in alignment with one another in the end sorting position, viewed in the direction of the cylinder axis. The lock cylinder is adapted such that, on a further rotation of the disk tumblers out of the end sorting position in the unlatching direction, the core pin first engages into the fixing cut-outs and the blocking pin only then engages into the blocking cut-outs.

IPC 8 full level
E05B 21/06 (2006.01)

CPC (source: CN EP US)
E05B 15/14 (2013.01 - CN); **E05B 21/066** (2013.01 - CN EP US); **E05B 29/00** (2013.01 - CN); **E05B 29/0013** (2013.01 - US)

Cited by
EP4074928A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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