

Title (en)

Locking cylinder, in particular double locking cylinder with free-running locking element

Title (de)

Schließzylinder, insbesondere Doppelschließzylinder mit freilaufendem Schließglied

Title (fr)

Cylindre de fermeture, notamment cylindre double doté d'un organe de fermeture à roue libre

Publication

EP 2410110 B1 20180509 (DE)

Application

EP 11173018 A 20110707

Priority

DE 102010036573 A 20100722

Abstract (en)

[origin: EP2410110A2] The cylinder has a cylinder core coupled with a locking unit (6) by coupling elements (7, 8) during pushing of a key into a key channel, where the coupling elements are moved to a coupling position by a key tip. A coupling projection (9) of the coupling elements engages in a coupling recess (11) of the locking unit in the position. The coupling elements are moved from the position when the key is pulled by applying torque on the locking unit. A controller controls torque transmission edges (10, 12) of the projection and/or the recess for moving the coupling elements from the position.

IPC 8 full level

E05B 17/04 (2006.01); **E05B 9/10** (2006.01); **E05B 27/00** (2006.01)

CPC (source: EP)

E05B 9/045 (2013.01); **E05B 9/10** (2013.01)

Cited by

CZ305669B6; CZ306920B6; ES2426340A1; EP2826933A3; EP2628874A3; US10900257B2; WO2016150258A1

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

DOCDB simple family (publication)

EP 2410110 A2 20120125; EP 2410110 A3 20141105; EP 2410110 B1 20180509; DE 102010036573 A1 20120126; ES 2669178 T3 20180524; SI 2410110 T1 20180831

DOCDB simple family (application)

EP 11173018 A 20110707; DE 102010036573 A 20100722; ES 11173018 T 20110707; SI 201131529 T 20110707