

Title (en)

Coding mechanism for cylinder lock with a rotatable key and key blank

Title (de)

Kodierungsmechanismus für Schiesszylinder mit einem drehbaren Schlüssel und Schlüsselrohling

Title (fr)

Mécanisme de codage pour barillet avec clé pivotante et ébauche de clé

Publication

EP 2458115 A2 20120530 (EN)

Application

EP 11009210 A 20111121

Previously filed application

20100880 20101130 CZ

Priority

CZ 2010880 A 20101130

Abstract (en)

A coding mechanism for a cylinder lock with a rotatable key consists of a guiding element (13) for aligning the shank (14) of the rotatable key (12) inside the cylinder lock and of the rotatable key (12) itself, wherein the guiding element (13) comprises two mutually parallel and spaced apart guide rails (15), which have their ends interconnected by an abutment bridge (16) and which are provided with guiding surfaces (18) extending along their entire lengths, the shank (14) of the rotatable key (12) being provided with usual coding projections (21) adapted for interaction with usual catchers arranged inside the respective cylinder lock and having its entire cross-section continuously increasing from its intermediate portion towards at least one of its longitudinal edges (36, 37), at least one of the two pairs of the functional surfaces (38, 39 and 40, 41) of said shank having an open V-shape and the intermediate portion of the cross-section of the same being provided with a pair of corresponding longitudinal notches (22, 23). The longitudinal notches (22, 23) have flat bottom portions (24, 25), the guiding surface (18) of at least one guide rail (15) and the corresponding flat bottom portion (24, 25) of the respective longitudinal notch (22, 23) formed in the shank (14) of the rotatable key (12) having their shapes adapted for generating a locking code of the cylinder lock.

IPC 8 full level

E05B 19/02 (2006.01); **E05B 21/06** (2006.01)

CPC (source: EP)

E05B 19/0041 (2013.01); **E05B 21/066** (2013.01)

Citation (applicant)

- CZ 293659 B6 20040616 - ABLOY OY [FI]
- EP 0123192 A2 19841031 - KARRENBURG WILHELM [DE]

Cited by

EP2458115B1

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 2458115 A2 20120530; **EP 2458115 A3 20160309**; **EP 2458115 B1 20170816**; CZ 2010880 A3 20120125; CZ 302949 B6 20120125; PL 2458115 T3 20180131

DOCDB simple family (application)

EP 11009210 A 20111121; CZ 2010880 A 20101130; PL 11009210 T 20111121