

Title (en)  
CYLINDRICAL LOCK CORE AND LOCK WITH CYLINDRICAL LOCK CORE

Title (de)  
ZYLINDERSCHLOSSKERN UND SCHLOSS MIT ZYLINDERSCHLOSSKERN

Title (fr)  
NOYAU DE SERRURE CYLINDRIQUE ET VERROU POURVU D'UN TEL NOYAU

Publication  
**EP 2990567 A1 20160302 (EN)**

Application  
**EP 15179832 A 20150805**

Priority  
CZ 2014529 A 20140805

Abstract (en)  
Cylindrical lock core (2) for a cylinder lock, which lock core comprises a key channel (9) for inserting a flat key (14) having a coding edge (20) on one side of and a guiding edge (21) on the other side, at least one radial channel (8) opening into the key channel (9) and at least one coding tumbler (10) slidably mounted in the radial channel (9). The cylindrical lock core (2) is further provided with at least one cut-out (22, 25) arranged on the outer circumference thereof and spaced both from the inlet end and from the outlet end of the key channel (9), wherein there is at least one guiding stop (23, 26) removably inserted in the cut-out (22, 25) and having a bearing surface, which is at least partially aligned with the cylindrical surface of the cylindrical lock core (2), and a working area, a part of which extends into the key channel (9), namely into that portion of the key channel, which is intended for guiding the guiding edge (21) of the key (14). A cylinder lock with such a cylindrical lock core (2) and an assembly of the lock and a flat key (14) are described as well.

IPC 8 full level  
**E05B 27/00** (2006.01); **E05B 15/08** (2006.01); **E05B 35/00** (2006.01)

CPC (source: EP)  
**E05B 15/08** (2013.01); **E05B 27/0042** (2013.01); **E05B 35/001** (2013.01)

Citation (search report)  
• [X] US 4294093 A 19811013 - BEST WALTER E, et al  
• [XYI] EP 1154103 A1 20011114 - KABA GEGE GMBH [AT]  
• [X] EP 1048804 A1 20001102 - BREMICKER SOEHNE KG A [DE]  
• [YA] EP 0953699 A2 19991103 - EVVA WERKE [AT]  
• [A] WO 9106733 A1 19910516 - MEDECO SECURITY LOCKS [US]  
• [A] US 1835725 A 19311208 - THOMPSON FRANK E, et al

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 2990567 A1 20160302**; **EP 2990567 B1 20181205**; CZ 2014529 A3 20151021; CZ 305479 B6 20151021

DOCDB simple family (application)  
**EP 15179832 A 20150805**; CZ 2014529 A 20140805