

Title (en)  
Profile lock cylinder with associated key

Title (de)  
Profilschliesszylinder mit zugehörigem Schlüssel

Title (fr)  
Serrure cylindrique profilée et clé correspondante

Publication  
**EP 2133491 A1 20091216 (DE)**

Application  
**EP 09007687 A 20090610**

Priority  
DE 102008028135 A 20080613

Abstract (en)  
The cylinder (1) has a cylindrical pin arranged in a separating plane (12) between a circular cylindrical part of a housing (2) and a lock core (3). A lock element (14) projects laterally into a key channel (4) of the lock core with a gearwheel-like tooth. The lock element has a lock body (18), which produces a form-fit connection between the lock core and the housing in a locked position. A return spring is pushed from the locked position by a displacement element, which is linearly movable relative to the lock element by a coupling and separated from the lock element.

Abstract (de)  
Die vorliegende Erfindung betrifft eine Kombination aus Profilschließzylinder mit zugehörigem Schlüssel, die neben den üblichen federbelasteten Stiftzuhaltungen ein weiteres Sperrelement aufweist, welches in Sperrrichtung unter der Vorlast einer Rückstellfeder steht und über eine Zahnrad-Zahnstangen-Kombination in Drehbewegung versetzt wird.

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

CPC (source: EP)  
**E05B 35/006** (2013.01)

Citation (applicant)  
• DE 3005481 A1 19800911 - GRUNDMANN GMBH GEB  
• DE 202004017531 U1 20050428 - BKS GMBH [DE]

Citation (search report)  
• [AD] DE 3005481 A1 19800911 - GRUNDMANN GMBH GEB  
• [A] DE 10050460 A1 20020425 - WINKHAUS FA AUGUST [DE]  
• [A] EP 0633374 A1 19950111 - GRUNDMANN SCHLIESSTECHNIK [AT]  
• [A] AT 7827 U1 20050926 - KABA GMBH [AT]

Designated contracting state (EPC)  
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 SE SI SK TR

DOCDB simple family (publication)  
**DE 102008028135 B3 20091008**; EP 2133491 A1 20091216; EP 2133491 B1 20120808; HR P20120724 T1 20121130; SG 158038 A1 20100129

DOCDB simple family (application)  
**DE 102008028135 A 20080613**; EP 09007687 A 20090610; HR P20120724 T 20120911; SG 2009040494 A 20090612