

Title (en)  
LOCK CYLINDER WITH ASSOCIATED KEY

Title (de)  
SCHLIESSZYLINDER MIT ZUGEHÖRIGEM SCHLÜSSEL

Title (fr)  
CYLINDRE DE FERMETURE DOTÉ D'UNE CLÉ CORRESPONDANTE

Publication  
**EP 3409865 A3 20190313 (DE)**

Application  
**EP 18186056 A 20130708**

Priority  
• DE 102012106326 A 20120713  
• EP 13175498 A 20130708

Abstract (en)  
[origin: EP2685030A2] The lock cylinder has a cylinder core (2) that comprises a key channel (4) for insertion of a flat key (30), and is rotatably mounted in the housing cavity (3). A bearing bore (13) is extended parallel to a core pin bore and transversely to the displacement direction of a locking bar (9). A locking pin (14) has a drive slope (17) on which a portion is engaged to the bore of a control pin (20), such that the depth of a recess of the key is viewed. The control pin has a control bevel (21) that is formed of conical or truncated cone surface for receiving the key.

IPC 8 full level  
**E05B 27/00** (2006.01); **E05B 19/00** (2006.01); **E05B 27/04** (2006.01); **E05B 27/08** (2006.01)

CPC (source: EP)  
**E05B 19/0064** (2013.01); **E05B 27/0017** (2013.01); **E05B 27/0035** (2013.01); **E05B 27/0078** (2013.01); **E05B 27/0082** (2013.01);  
**E05F 3/22** (2013.01); **E05F 2015/631** (2015.01)

Citation (search report)  
• [AD] JP 2002194934 A 20020710 - HORI LOCK KOGYO KK  
• [A] AT 395262 B 19921110 - EVVA WERKE [AT]  
• [AD] CH 647837 A5 19850215 - GKN STENMAN AB

Cited by  
CN111593954A

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 2685030 A2 20140115; EP 2685030 A3 20180627; EP 2685030 B1 20200122**; DE 102012106326 A1 20140116;  
DE 102012106326 B4 20180222; DK 2685030 T3 20200427; EP 3409865 A2 20181205; EP 3409865 A3 20190313; EP 3409865 B1 20220831;  
ES 2773481 T3 20200713; ES 2929755 T3 20221201; PL 2685030 T3 20200629

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ES 18186056 T 20130708; PL 13175498 T 20130708