

Title (en)  
Lock cylinder

Title (de)  
Schliesszylinder

Title (fr)  
Serrure cylindrique

Publication  
**EP 1333136 A1 20030806 (DE)**

Application  
**EP 02002425 A 20020201**

Priority  
EP 02002425 A 20020201

Abstract (en)  
At least two core pins (12, 13) and their corresponding casing pins (19, 20) are offset at an angle of 180 deg. relative to each other, have parallel length axes (25, 26) and can be rotated in opposite directions into the open position using a flat key. The length axis of at least one of the core pins and the keyway central axis (7) intersect at an acute angle at a point not on the core length axis. The cylinder casing (1) has a round bore extending in its length direction housing a rotatable round core (3) with a keyway (4) for a flat key (5). At least two pairs of pins are provided, each pair comprising a casing pin which is spring-loaded in the direction of the core by a compression spring (21) and a coaxial core spring. The pins are moved into an open position by inserting a flat key between the outer mantle surface (14) of the core and the bore (2) inside the casing. At least two core pins extend at an acute angle relative to the key central axis (6).

Abstract (de)  
Die Erfindung betrifft einen Schließzylinder, bei welchem mindestens zwei Paare von aus Kernstiften (12,13) und Gehäusestiften (19,20) bestehenden Zuhaltungen um 180° versetzt zueinander und durch einen Flachs Schlüssel (5) gegenläufig hubbeweglich angeordnet sind, wobei die Längsachsen (25,26) der Kern- und Gehäusestifte paarweise parallel zueinander und außermittig zur Mitte des Schlüsselkanals (4) verlaufen, derart, daß mindestens ein aus Kernstift (13) und Gehäusestift (20) bestehendes Stiftpaar mit seiner Längsachse (26) die durch die Mitte des Schlüsselkanals (4) verlaufende Mittellinie (7) unter einem spitzen Winkel außerhalb der Drehlängsachse (8) des Kerns schneidet. <IMAGE>

IPC 1-7  
**E05B 27/06**

IPC 8 full level  
**E05B 27/00** (2006.01); **E05B 27/06** (2006.01)

CPC (source: EP)  
**E05B 27/00** (2013.01)

Citation (applicant)  
• DE 3736129 C2 19920924  
• EP 0313864 B1 19930303

Citation (search report)  
• [X] FR 1481530 A 19670519  
• [X] CH 651350 A5 19850913 - KELLER ERNST  
• [A] EP 1132553 A2 20010912 - WINKHAUS FA AUGUST [DE]  
• [A] GB 2049788 A 19801231 - TALLERES ESCORIAZA SA  
• [A] FR 2396144 A1 19790126 - BAUER KABA AG [CH]  
• [DA] DE 3736129 A1 19890511 - NIEDERDRENK JULIUS KG [DE]

Cited by  
CN106132157A; CN106132156A; CN106413301A; CN106132133A; CN106163177A; CN106132134A; CN106132158A; CN106132132A; CN106132135A

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