

Title (en)  
Lock cylinder

Title (de)  
Schliesszylinder

Title (fr)  
Serrure cylindrique

Publication  
**EP 1333135 B1 20080702 (DE)**

Application  
**EP 02002424 A 20020201**

Priority  
EP 02002424 A 20020201

Abstract (en)  
[origin: EP1333135A1] 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) 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 keyway end regions of the core pins are covered by keyway wall sections (38-41) integrally formed from the core (3) and/or the bore (2) for receiving the core pins is at least partially covered at one end, in order to make manipulation of the core pins more difficult. The cylinder has at least two pairs of pins each 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 cylinder casing (1) for receiving the core. At least two core pins extend at an acute angle relative to the key central axis (6).

IPC 8 full level  
**E05B 27/06** (2006.01); **E05B 27/00** (2006.01); **E05B 15/08** (2006.01)

CPC (source: EP)  
**E05B 27/00** (2013.01); **E05B 15/08** (2013.01); **E05B 27/0057** (2013.01)

Cited by  
DE102016119036A1; CN105964832A; CN101871281A; CN108225171A

Designated contracting state (EPC)  
AT BE CH DE LI LU NL

DOCDB simple family (publication)  
**EP 1333135 A1 20030806; EP 1333135 B1 20080702**; AT E399916 T1 20080715; DE 50212432 D1 20080814

DOCDB simple family (application)  
**EP 02002424 A 20020201**; AT 02002424 T 20020201; DE 50212432 T 20020201