

Title (en)

CYLINDER LOCK WITH A CYLINDER HOUSING AND FLANGE KEY FOR A CYLINDER LOCK

Title (de)

ZYLINDERSCHLOSS MIT ZYLINDERGEHÄUSE UND FLACHSCHLÜSSEL FÜR EIN ZYLINDERSCHLOSS

Title (fr)

SERRURE A POMPE COMPORTANT UN BOITIER CYLINDRIQUE ET CLE PLATE DESTINEE A UNE SERRURE A POMPE

Publication

EP 1272720 A1 20030108 (DE)

Application

EP 02715465 A 20020123

Priority

- AT 2392001 A 20010215
- EP 0200627 W 20020123

Abstract (en)

[origin: GB2372284A] A cylinder lock with a cylinder casing 1 and a rotatable cylinder core 2 comprises: a key channel 4 for receiving a flat key 5; followers [25, figure 1] for control faces on the key; locking parts which allow or prevent rotation of the cylinder core 2; and a slidable catch bar 26 located within the cylinder core 2 in a plane across the longitudinal centre plane [7, figure 1] of the cylinder lock. The catch bar 26 comprises a locking arm 27 positioned over the key channel and is movable by the edge of the key 5 and by the spring force 35 between locked and unlocked positions. When the key is only partially inserted in the key channel, a locking flank 30 on the key holds the locking arm in a locking recess 28 in the cylinder casing, thus preventing rotation of the core 2. When the key is fully inserted, as shown in figure 2, the locking arm is positioned opposite a free recess 29 on the key. Upon rotation of the key the locking arm 27 can enter the key recess 29. When the key is rotated, the recess 29 retains the key such that the key cannot be removed [figure 3].

IPC 1-7

E05B 27/00

IPC 8 full level

E05B 11/00 (2006.01); **E05B 15/00** (2006.01); **E05B 19/06** (2006.01); **E05B 27/00** (2006.01); **E05B 19/00** (2006.01)

CPC (source: EP)

E05B 11/005 (2013.01); **E05B 27/0078** (2013.01); **E05B 19/0017** (2013.01); **E05B 27/0042** (2013.01); **E05B 27/0082** (2013.01)

Cited by

CN110665601A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

GB 0108450 D0 20010523; **GB 2372284 A 20020821**; **GB 2372284 B 20050608**; AT 410818 B 20030825; AT A2392001 A 20021215; AT E368783 T1 20070815; AU 2002225035 B2 20041118; CZ 20023336 A3 20030212; CZ 294916 B6 20050413; DE 20105519 U1 20010613; DE 50210580 D1 20070913; DK 1272720 T3 20070917; EP 1272720 A1 20030108; EP 1272720 B1 20070801; ES 2288186 T3 20080101; HK 1045865 A1 20021213; HK 1045865 B 20051216; HR P20020818 A2 20041231; HR P20020818 B1 20090430; HU 225255 B1 20060828; HU P0300051 A2 20030628; IE S20010344 A2 20011031; JP 2004518045 A 20040617; JP 3984168 B2 20071003; NL 1017686 C1 20020816; NO 20024962 D0 20021015; NO 20024962 L 20021015; NO 333389 B1 20130521; PL 198114 B1 20080530; PL 356741 A1 20040628; PT 1272720 E 20071105; SK 14702002 A3 20031007; SK 284924 B6 20060202; WO 02064921 A1 20020822; WO 02064921 A8 20031030

DOCDB simple family (application)

GB 0108450 A 20010404; AT 02715465 T 20020123; AT 2392001 A 20010215; AU 2002225035 A 20020123; CZ 20023336 A 20020123; DE 20105519 U 20010326; DE 50210580 T 20020123; DK 02715465 T 20020123; EP 0200627 W 20020123; EP 02715465 A 20020123; ES 02715465 T 20020123; HK 02107264 A 20021003; HR P20020818 A 20021014; HU P0300051 A 20020123; IE S20010344 A 20010406; JP 2002564223 A 20020123; NL 1017686 A 20010323; NO 20024962 A 20021015; PL 35674102 A 20020123; PT 02715465 T 20020123; SK 14702002 A 20020123