

Title (en)  
LOCKING CYLINDER

Title (de)  
SCHLIESSZYLINDER

Title (fr)  
CYLINDRE DE BLOCAGE

Publication  
**EP 1381744 A2 20040121 (DE)**

Application  
**EP 02766569 A 20020423**

Priority  
• AT 0200121 W 20020423  
• AT 3282001 U 20010426  
• AT 8432001 U 20011031

Abstract (en)  
[origin: WO02088492A2] The invention relates to a locking cylinder comprising at least one cylindrical core (2, 3) that is mounted in a housing (1). Said cylinder has an electromechanical locking mechanism comprising an electromotor (5), which with the help of an eccentric drive withdraws a bolt (8) out of the housing (1) and inserts it into a cavity (10) of the cylindrical core (2, 3) and reverses the operation. For this purpose, a crank pin (7) is eccentrically mounted on a crank disc (6), said pin engaging in a guide slot (9) on the shaft end of the bolt (8). The electromotor (5) can be controlled in the rotational direction and the turning circle (11) of the crank pin (7) is limited by a stop. Said limitation of the turning circle of the crank pin (7) takes place in a position above the dead centre of the crank or eccentric drive, in such a way that the bolt (8) is held stable in the locking position and cannot be pushed back. In addition, the electromotor (5) can be released in the start-up phase before each stroke or switching operation.

IPC 1-7  
**E05B 65/12**

IPC 8 full level  
**E05B 47/06** (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)  
**E05B 47/063** (2013.01); **E05B 47/0012** (2013.01); **E05B 2047/0025** (2013.01); **E05B 2047/0093** (2013.01)

Citation (search report)  
See references of WO 02088492A2

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)  
**WO 02088492 A2 20021107**; **WO 02088492 A3 20021227**; AT 5574 U1 20020826; AU 2002338539 A1 20021111; DE 50202174 D1 20050310; EP 1381744 A2 20040121; EP 1381744 B1 20050202; ES 2236576 T3 20050716

DOCDB simple family (application)  
**AT 0200121 W 20020423**; AT 8432001 U 20011031; AU 2002338539 A 20020423; DE 50202174 T 20020423; EP 02766569 A 20020423; ES 02766569 T 20020423