

Title (en)

LOCKING DEVICE WITH A KEY-ACTIVATED CYLINDER CORE

Title (de)

VERSCHLUSSVORRICHTUNG MIT EINEM SCHLÜSSELBETÄTIGBAREN ZYLINDERKERN

Title (fr)

DISPOSITIF DE VERROUILLAGE COMPORTANT UNE PARTIE CENTRALE DE CYLINDRE ACTIONNABLE PAR UNE CLEF

Publication

**EP 1029143 B1 20021002 (DE)**

Application

**EP 98962312 A 19981102**

Priority

- DE 19749329 A 19971107
- EP 9806924 W 19981102

Abstract (en)

[origin: WO9924685A1] The invention relates to a locking device with a key-activated cylinder core (10) which when turned, performs various locking functions. A cylinder guide (14) is used to mount the cylinder core (10) in such a way that it can turn, said cylinder guide (14) having stopping points (13) for tumblers (12) situated in the cylinder core (10). In order to reduce the axial construction length (28) as far as possible, the cylinder guide (14) is accommodated in a housing (17) in such a way that it is fixed axially but can still turn, and is mounted in the key end area, the other area of the cylinder guide (14) being encompassed by a sliding member (20) which is torsionally rigid in relation to the cylinder guide (14) but is axially displaceable on the same. A spring (33) which is supported in such a way that it is fixed in relation to the housing acts axially upon a turning member (40) and therefore upon the sliding member (20), said sliding member moving synchronously with the turning member (40). An overload protection element (30) has a control section (32) which is located on the housing (17) and a counter-control section (31) which is spring-loaded in relation to the control section (32).

IPC 1-7

**E05B 17/04**

IPC 8 full level

**E05B 17/20** (2006.01); **E05B 15/00** (2006.01); **E05B 17/00** (2006.01); **E05B 17/04** (2006.01); **E05B 29/10** (2006.01)

CPC (source: EP KR US)

**E05B 17/0058** (2013.01 - EP US); **E05B 17/04** (2013.01 - EP KR US); **Y10T 70/7949** (2015.04 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT NL PT SE

DOCDB simple family (publication)

**WO 9924685 A1 19990520**; AU 1753199 A 19990531; AU 744438 B2 20020221; BR 9813974 A 20000926; CN 1143046 C 20040324; CN 1278886 A 20010103; DE 19749329 C1 19990722; DE 59805848 D1 20021107; EP 1029143 A1 20000823; EP 1029143 B1 20021002; ES 2180218 T3 20030201; JP 2001522961 A 20011120; KR 100560651 B1 20060316; KR 20010031824 A 20010416; PT 1029143 E 20030131; US 6425275 B1 20020730

DOCDB simple family (application)

**EP 9806924 W 19981102**; AU 1753199 A 19981102; BR 9813974 A 19981102; CN 98810892 A 19981102; DE 19749329 A 19971107; DE 59805848 T 19981102; EP 98962312 A 19981102; ES 98962312 T 19981102; JP 2000519665 A 19981102; KR 20007004894 A 20000504; PT 98962312 T 19981102; US 53067600 A 20000502