

Title (en)  
CLOSURE DEVICE WITH A CLOSURE CYLINDER ACTINGS AT THE SAME TIME AS A PUSH HANDLE FOR ACTUATING LOCK MEMBERS

Title (de)  
VERSCHLUSSVORRICHTUNG MIT EINEM ZUGLEICH ALS DRUCKHANDHABE ZUM BETÄTIGEN VON SCHLOSSGLIEDERN DIENENDEN SCHLIESSZYLINDER

Title (fr)  
DISPOSITIF DE FERMETURE A CYLINDRE DE FERMETURE SERVANT EN MEME TEMPS DE MANETTE DE PRESSION POUR ACTIONNER DES ELEMENTS DE SERRURES

Publication  
**EP 0750711 A1 19970102 (DE)**

Application  
**EP 95911304 A 19950307**

Priority  
• DE 4408910 A 19940316  
• EP 9500833 W 19950307

Abstract (en)  
[origin: WO9525214A1] A closure device has a closure cylinder that acts at the same time as a push handle for actuating lock members. The closure cylinder is radially subdivided into a circumferential cylinder guide and into a central cylinder core. The cylinder core may be moved by a key between a locked and an unlocked position of rotation, but when the key is removed the cylinder core is secured by holders to the cylinder guide in a fixed manner not only in the axial direction but also in the direction of rotation. An axial spring force that acts on the cylinder guide axially movable in the cylinder housing actuates the closure cylinder as a push handle. In order to create a reliable device that cannot be forced open, the push handle is made up of two axial sections, of which only the outer section is formed by the closure cylinder whose circumferential cylinder guide is mounted so as to rotate in the cylinder housing. The inner section is in turn radially subdivided into two parts and consists on the one hand of an axial central control bolt and on the other hand of a circumferential pressure bushing. The control bolt is secured to the driver against rotation and axial movements and is mounted in the pressure bushing in a rotary but axially fixed manner. In addition, the pressure bushing is guided in the cylinder housing so as to move in the axial direction but not to rotate. An axial coupling is arranged between the control bolt and the cylinder core and the spring-loaded pressure bushing is pressed by an axial lifting profile against the cylinder guide. When the outer section of the push handle is violently turned, the lifting profile makes the inner section of the push handle run freely in an overload state in which the closure cylinder can turn freely but ineffectively.

IPC 1-7  
**E05B 17/00**; **E05B 65/19**

IPC 8 full level  
**E05B 15/00** (2006.01); **E05B 13/10** (2006.01); **E05B 17/00** (2006.01); **E05B 17/04** (2006.01); **E05B 17/20** (2006.01); **E05B 65/19** (2006.01); **E05B 77/00** (2014.01)

CPC (source: EP KR)  
**E05B 13/105** (2013.01 - EP); **E05B 17/0058** (2013.01 - EP); **E05B 17/04** (2013.01 - EP); **E05B 27/00** (2013.01 - KR)

Citation (search report)  
See references of WO 9525214A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI LU NL PT SE

DOCDB simple family (publication)  
**WO 9525214 A1 19950921**; AT E158375 T1 19971015; AU 1893495 A 19951003; AU 682099 B2 19970918; BR 9507092 A 19970916; CN 1080359 C 20020306; CN 1143991 A 19970226; CZ 263396 A3 19970212; CZ 293887 B6 20040818; DE 4408910 A1 19950921; DE 59500690 D1 19971023; EP 0750711 A1 19970102; EP 0750711 B1 19970917; ES 2106642 T3 19971101; JP 3564619 B2 20040915; JP H09509991 A 19971007; KR 100316441 B1 20020228; KR 970701822 A 19970412

DOCDB simple family (application)  
**EP 9500833 W 19950307**; AT 95911304 T 19950307; AU 1893495 A 19950307; BR 9507092 A 19950307; CN 95192113 A 19950307; CZ 263396 A 19950307; DE 4408910 A 19940316; DE 59500690 T 19950307; EP 95911304 A 19950307; ES 95911304 T 19950307; JP 52310195 A 19950307; KR 19960704840 A 19960903