

Title (en)
CLOSURE FOR DOORS, BONNETS, TAILGATES OR THE LIKE, IN PARTICULAR OF VEHICLES, SUCH AS MOTOR VEHICLES

Title (de)
VERSCHLUSS FÜR TÜREN, HAUBEN, KLAPPEN OD. DGL., INSBESONDERE VON FAHRZEUGEN, WIE KRAFTFAHRZEUGEN

Title (fr)
SYSTEME DE FERMETURE POUR PORTES, CAPOTS, CLAPETS OU SIMILAIRES, NOTAMMENT DANS DES VEHICULES TELS QUE DES AUTOMOBILES

Publication
EP 0907816 B1 20011114 (DE)

Application
EP 97930410 A 19970626

Priority

- DE 19626914 A 19960704
- DE 19724318 A 19970610
- EP 9703348 W 19970626

Abstract (en)
[origin: WO9801643A1] The invention concerns a closure with a closure cylinder whose cylinder core (33) can be moved by a key into different operating positions. The object of the invention is for at least one microswitch (50) to be actuated by means of switching cams (42) only once, even if the switching cam (42) continues to be moved when the microswitch (50) has been actuated. During the return movement, this microswitch (50) should not be triggered by the switching cam (42) again, and so faulty switching is avoided. To that end, a control member (40) cooperates via a separable coupling (35, 45) with a control member (40) on which the switching cam (42) is located. The control member (40) is acted upon by a restoring spring (46) which endeavours to move the control member into an initial position and simultaneously subject it to a force (43) in the coupling sense by means of the cylinder core (33). By controlling the lift as it moves, the control member (40) is moved axially out of a coupling plane (69) into an uncoupling plane (67) in which it can return to its normal position (40) again under the effect of the restoring spring (46). This restoring movement in the uncoupling plane (67) occurs at a distance from the microswitch (50), such that the switching cam (42) does not actuate the microswitch (50) again.

IPC 1-7
E05B 65/19; **E05B 65/20**; **E05B 65/36**

IPC 8 full level
B62D 25/12 (2006.01); **E05B 17/22** (2006.01); **E05B 77/00** (2014.01); **E05B 13/00** (2006.01); **E05B 17/00** (2006.01); **E05B 17/04** (2006.01); **E05B 47/06** (2006.01)

CPC (source: EP US)
E05B 77/28 (2013.01 - EP US); **E05B 81/14** (2013.01 - EP US); **E05B 81/54** (2013.01 - EP US); **E05B 81/66** (2013.01 - EP US); **E05B 83/36** (2013.01 - EP US); **E05B 85/18** (2013.01 - EP US); **E05B 13/005** (2013.01 - EP US); **E05B 15/006** (2013.01 - EP US); **E05B 17/0058** (2013.01 - EP US); **E05B 17/04** (2013.01 - EP US); **E05B 81/06** (2013.01 - EP US); **E05B 81/76** (2013.01 - EP US); **Y10S 70/30** (2013.01 - EP US); **Y10T 70/5889** (2015.04 - EP US); **Y10T 70/5969** (2015.04 - EP US); **Y10T 70/65** (2015.04 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT NL PT SE

DOCDB simple family (publication)
WO 9801643 A1 19980115; BR 9710112 A 19990810; CN 1074497 C 20011107; CN 1224481 A 19990728; CZ 296203 B6 20060215; CZ 438698 A3 19990512; DE 59705398 D1 20011220; EP 0907816 A1 19990414; EP 0907816 B1 20011114; ES 2163174 T3 20020116; JP 2000513418 A 20001010; PT 907816 E 20020531; SK 182198 A3 19990712; SK 285064 B6 20060504; US 6098432 A 20000808

DOCDB simple family (application)
EP 9703348 W 19970626; BR 9710112 A 19970626; CN 97196115 A 19970626; CZ 438698 A 19970626; DE 59705398 T 19970626; EP 97930410 A 19970626; ES 97930410 T 19970626; JP 54310997 A 19970626; PT 97930410 T 19970626; SK 182198 A 19970626; US 21408898 A 19981228