

Title (en)  
Closing device

Title (de)  
Zuhaltevorrichtung

Title (fr)  
Dispositif de maintien en position fermée

Publication  
**EP 1916365 A3 20080813 (DE)**

Application  
**EP 07405275 A 20070912**

Priority  
CH 16772006 A 20061023

Abstract (en)  
[origin: EP1916365A2] The device (10) has electromagnet (13) that is fastened with central pin (31), to pivot around point on central axis. The electromagnet is fastened tightly to base (71) in longitudinal direction of central axis which runs perpendicular to contact plane between the electromagnet and yoke plate (23) and through the center of holding force of closed electromagnet. The pin is fastened so that the pin is not pivoted to electromagnet and is mounted to pivot on base.

IPC 8 full level  
**E05C 19/16** (2006.01); **H01H 27/00** (2006.01)

CPC (source: EP US)  
**E05C 19/166** (2013.01 - EP US); **H01H 27/002** (2013.01 - EP US)

Citation (search report)

- [A] WO 03085833 A2 20031016 - EUCHNER GMBH & CO KG [DE], et al
- [E] EP 1867820 A1 20071219 - ELESTA RELAYS GMBH [CH]
- [A] DE 19953898 A1 20010809 - SCHMERSAL K A GMBH & CO [DE]
- [A] WO 03012998 A1 20030213 - PILZ GMBH & CO [DE], et al
- [DA] WO 03025963 A1 20030327 - EUCHNER GMBH & CO [DE], et al

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US11572723B2; US10717390B2; US10737628B2; EP2204521B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1916365 A2 20080430; EP 1916365 A3 20080813; EP 1916365 B1 20090603**; AT E433036 T1 20090615; CN 101169018 A 20080430; CN 101169018 B 20110713; DE 502007000822 D1 20090716; ES 2326140 T3 20091001; JP 2008106600 A 20080508; US 2008094158 A1 20080424

DOCDB simple family (application)  
**EP 07405275 A 20070912**; AT 07405275 T 20070912; CN 200710182385 A 20071023; DE 502007000822 T 20070912; ES 07405275 T 20070912; JP 2007267632 A 20071015; US 97618907 A 20071022