

Title (en)  
Latch mechanism with movable pivoting axis

Title (de)  
Schaltschloss mit beweglicher Drehachse

Title (fr)  
Mécanisme de serrure à axe mobile

Publication  
**EP 1816665 B1 20090923 (FR)**

Application  
**EP 06360005 A 20060203**

Priority  
EP 06360005 A 20060203

Abstract (en)  
[origin: EP1816665A1] The mechanism has movable contacts (4) connected rigidly to a contact holder (17) and pivoted between two positions of a fixed contact. A movable trigger (5) has a ratchet (9) maintaining a connecting rod (3) by supporting against the holder in locking and unlocking positions. A spiral spring (6) is constituted of end branches (16a, 16b), where the branch (6b) is connected to the holder by a welded portion to displace a pivoting axle with respect to support zones of the contacts. The branch implements a pressure support for each movable contact on the fixed contact.

IPC 8 full level  
**H01H 71/52** (2006.01); **H01H 1/50** (2006.01); **H01H 73/04** (2006.01)

CPC (source: EP)  
**H01H 1/50** (2013.01); **H01H 71/52** (2013.01); **H01H 71/526** (2013.01); **H01H 71/2463** (2013.01); **H01H 73/04** (2013.01)

Cited by  
CN105590804A; EP4131314A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1816665 A1 20070808; EP 1816665 B1 20090923**; AT E443921 T1 20091015; AU 2007211406 A1 20070809; AU 2007211406 B2 20110127; BR PI0706900 A2 20110412; BR PI0706900 B1 20180626; CN 101410926 A 20090415; CN 101410926 B 20130417; DE 602006009369 D1 20091105; ES 2333156 T3 20100217; HK 1126570 A1 20090904; IL 193201 A0 20090211; IL 193201 A 20111031; MY 143594 A 20110531; PL 1816665 T3 20100226; RU 2008135162 A 20100310; RU 2398305 C2 20100827; WO 2007088284 A1 20070809; ZA 200807400 B 20091028

DOCDB simple family (application)  
**EP 06360005 A 20060203**; AT 06360005 T 20060203; AU 2007211406 A 20070202; BR PI0706900 A 20070202; CN 200780011244 A 20070202; DE 602006009369 T 20060203; ES 06360005 T 20060203; FR 2007000192 W 20070202; HK 09105245 A 20090611; IL 19320108 A 20080803; MY PI20082932 A 20070202; PL 06360005 T 20060203; RU 2008135162 A 20070202; ZA 200807400 A 20080827