

Title (en)  
EXPLOSION-PROOF KEY SWITCH.

Title (de)  
EXPLOSIONSGESCHÜTZTER SCHLÜSSELSCHALTER

Title (fr)  
INTERRUPTEUR À CLÉ ANTIDÉFLAGRANT

Publication  
**EP 2348523 A4 20131204 (EN)**

Application  
**EP 10826012 A 20100813**

Priority  
• CN 2010075971 W 20100813  
• CN 200920268873 U 20091028

Abstract (en)  
[origin: EP2348523A1] An explosion-proof key switch has a switch seat and a cover plate (6). A switch lock core (1) and a rotating shaft (7) connected with each other are provided in the switch seat (2). An output end of the rotating shaft (7) extends through the cover plate (6) to the outside of the switch seat (2). A microswitch (9) fit with the output end of the rotating shaft (7) is mounted on the cover plate (6). An input end of the rotating shaft (7) is mounted in the switch seat (2) by a copper jacket (5) sleeved on the rotating shaft (7). Both a clearance between the copper jacket (5) and the rotating shaft (7) and a clearance between the copper jacket (5) and the switch seat (2) have a width less than 0.2mm and a length larger than 12.5mm. A notch (14) is provided on an end surface of the output end of the rotating shaft (7). An rolling wheel (15) being in contact with a longitudinal cutting surface of the notch (14) is provided at one side of a drive end of an elastic rod (16) mounted on the microswitch (9), and the other side of the drive end of the elastic rod (16) is in contact with a movable contact (17).

IPC 8 full level  
**H01H 27/06** (2006.01)

CPC (source: EP)  
**H01H 9/042** (2013.01); **H01H 27/06** (2013.01); **H01H 3/50** (2013.01)

Citation (search report)  
• [A] CN 201298487 Y 20090826 - CHANGZHOU AOFENG ELECTROMECHAN [CN]  
• [A] DE 3521155 A1 19861218 - BBC BROWN BOVERI & CIE [DE]  
• [A] DE 9203143 U1 19920617  
• [A] US 3723677 A 19730327 - ARIAS A  
• See references of WO 2011050649A1

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