

Title (en)  
Push switch

Title (de)  
Tastschalter

Title (fr)  
Interrupteur à bouton poussoir

Publication  
**EP 1037224 A3 20010829 (EN)**

Application  
**EP 00105078 A 20000310**

Priority  
JP 6559899 A 19990311

Abstract (en)  
[origin: EP1037224A2] A structure of a stem in a push switch is provided which can ensure a sufficient engaging strength of hook portions of the stem even if the hook portions are not equal in wall thickness and which can reduce the size of the entire stem. The push switch comprises a box-shaped housing a, a pair of fixed terminals fixed within the housing 1, a stem 5 held slidably by inner side faces of the housing 1, a movable contact 3 disposed above the fixed terminals 2 so as to be operable in interlock with movement of the stem 5, and a rubber spring 4 which causes the movable contact 3 to move into contact with and away from the fixed terminals 2 and which causes the stem to return. The stem 5 is formed with hook portions having retaining portions respectively for engagement with retaining grooves formed in the inner side faces of the housing, the hook portions 5d being respectively formed with relief portions on sides thereof opposed to the rubber spring 4 to receive therein bent portions of the rubber spring. <IMAGE>

IPC 1-7  
**H01H 13/14**

IPC 8 full level  
**H01H 13/52** (2006.01); **H01H 13/14** (2006.01)

CPC (source: EP)  
**H01H 13/14** (2013.01); **H01H 2207/032** (2013.01); **H01H 2215/006** (2013.01)

Citation (search report)  
[A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09 31 July 1998 (1998-07-31) & US 5895901 A 19990420 - WATANABE HISASHI [JP], et al

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US11167624B2

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