

Title (en)  
ON-LOAD LOW TENSION SWITCH WITH FUSE

Publication  
**EP 0017819 B1 19830720 (DE)**

Application  
**EP 80101612 A 19800326**

Priority  
DE 2915170 A 19790412

Abstract (en)  
[origin: EP0017819A1] 1. A low-voltage load switch having a safety fuse (hereinafter referred to as a fuse switch), the fuse link (6) of which is arranged under spring force between a head contact, which is additionally covered by a lid (5) which can be in the form of a screw cap (3), and a base contact (4), of a fuse mounting, and in the current supply to which is arranged a load switch (1) which is coupled to the lid (5) and which suddenly releases the contacts by way of a mechanism (14) in the form of a toggle lever, and which, without the fuse link (6), is locked in an open position, wherein ventilating channels ensure that the temperature of the connecting terminals does not exceed a given operating temperature, characterised in that a) a movable magazine (7) made of high temperature-resistant material is raised from the base contact (4) of the fuse mounting in the direction of the imaginary line (10) connecting it to the head contact under spring force (spring 9) with the screw cap (3) and the fuse link (6) removed, and that this base contact (4) maintains the fuse link (6) under pressure with respect to the screw cap (3) which, from the point of view of exchanging the fuse, retains the direction of the connection line (10) and thereby produces the contact force on the head contact and the base contact (4) of the fuse link (6), b) that the load switch (1) comprises a contact arrangement (contact members 12, 13) which is such that the imaginary line (11) connecting its contacts is inclined to the line (10) connecting the head contact and the base contact (4) of the fuse mounting, and that the lid (5) laterally prevents grasping of the screw cap (3), c) and that from the contacts of the load switch (1), a ventilating channel (53) leads past the magazine (7).

IPC 1-7  
**H01H 9/10**; **H01H 85/62**

IPC 8 full level  
**H01H 73/02** (2006.01); **H01H 9/10** (2006.01); **H01H 85/62** (2006.01)

CPC (source: EP)  
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Cited by  
EP0044500A3; EP0230585A1

Designated contracting state (EPC)  
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**EP 0017819 A1 19801029**; **EP 0017819 B1 19830720**; AT E4259 T1 19830815; DE 2915170 B1 19800807; DE 2915170 C2 19820609; ES 490471 A0 19801201; ES 8101319 A1 19801201; JP S55146835 A 19801115

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