

Title (en)  
Sealed electrical switch.

Title (de)  
Abgedichteter elektrischer Schalter.

Title (fr)  
Interrupteur électrique étanche.

Publication  
**EP 0022142 A1 19810114 (EN)**

Application  
**EP 79301321 A 19790709**

Priority  
EP 79301321 A 19790709

Abstract (en)  
An electrical switch comprising a hollow body (11) which slidably supports an operating plunger (12) for lengthwise sliding movement in the body. The operating plunger (12) is accessible from the exterior of the body, and housed within the body are fixed electrical contacts (13). A movable electrical contact (17) is also housed within the body and is movable relative to the fixed contacts (13) between a rest position and an operated position. A flexible sealing diaphragm (14) is secured at its periphery to the body (11) and extends between the plunger (12) and the contacts (13), (17). A first spring (18) acts between the plunger (12) and the body (11) to urge the plunger (12) to a rest position relative to the body (11). Movement of the plunger (12) under the action of the spring (18) is transmitted to the movable contact (17) by a flange (12c) of the plunger (12) to move the movable contact (17) to the rest position relative to the fixed contacts (13), said flange (12c) permitting movement of the plunger (12) against the action of said first spring (18) relative to the movable contact (17) so that the plunger (12) can be moved beyond the position corresponding to the operating position of the movable contact (17). A second spring (19) acts on the movable contact (17) to move the movable contact (17) from its rest position to its operated position when the plunger (12) is moved against the action of the spring (18) from its position.

IPC 1-7  
**H01H 9/04; H01H 13/06; H01H 13/52**

IPC 8 full level  
**H01H 13/06** (2006.01)

CPC (source: EP)  
**H01H 13/063** (2013.01)

Citation (search report)  

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- US 3676626 A 19720711 - MITCHELL EDWARD B
- DE 6607099 U 19710121
- DE 1089037 C
- FR 2348555 A1 19771110 - LUCAS INDUSTRIES LTD [GB], et al
- DE 7712593 U1 19781012
- DE 1690499 A1 19710603 - WESTFAELISCHE METALL INDUSTRIE

Designated contracting state (EPC)  
DE FR GB IT

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