

Title (en)
ELECTRICAL SWITCH

Publication
EP 0111662 B1 19860611 (DE)

Application
EP 83110150 A 19831012

Priority
DE 3242062 A 19821113

Abstract (en)
[origin: EP0111662A1] 1. Electric switch having two contact points (20, 22), at least one (20) of which is formed by a moving contact member (24) attached to a rotatable contact lever (40) and by a fixed contact member (28) which works in conjunction with the former, and at least one contact point (20, 22) is associated with an arc-quenching device (61, 62), an electromagnetic and/or a thermal trip (32, 54 ; 60), in which arrangement the two contact points (20, 22) are accommodated above each other in a housing (10) and are separated from each other by means of a partition (14), and comprising an operating grip (45), characterized in that the moving contact members (24, 52) of the two contact points (20, 22) are coupled by means of a connecting rod (53) which passes through the partition (14), so that, when one contact point (20) is opened, the other contact point (22) is also at least opened via the connecting rod (53), that a rotatably supported latch (105) is provided which has a nose (108) against which the contact lever (40) is pressed with the moving contact member (24) of the first contact point (20) to form a latching point, that a projection (106) is formed of one piece with the latch (105), which projection projects into the path of movement of the hinged armature (104) of the electromagnetic trip (32), which is constructed as a hinged-armature trip, and that the latch (105) is provided with an arresting hook (107), in such a manner that during tripping and thus during rotation of the hinged armature (104), the latter, via the projection (106), swivels the latch (105) and the arresting hook (107) of the latter impinges on the contact lever (40) approximately in the direction of movement and opens it.

IPC 1-7
H01H 71/00

IPC 8 full level
H01H 71/00 (2006.01); **H01H 71/10** (2006.01); **H01H 71/12** (2006.01)

CPC (source: EP)
H01H 71/002 (2013.01); **H01H 71/1027** (2013.01); **H01H 71/128** (2013.01); **H01H 2071/004** (2013.01)

Cited by
EP0591905A1; EP1225611A3; DE102006036191A1; EP0155588A3; FR2796488A1; CN1319098C; EP0158241A3; GB2157499A; GB2295275A; GB2295275B; FR2866152A1; EP1564773A1; EP0350825A3; US7323958B2; WO9624150A1; WO9802896A1

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