

Title (en)
Electrical switch operating as a function of the temperature.

Title (de)
Temperaturabhängig betriebener elektrischer Schalter.

Title (fr)
Interrupteur électrique opérant en fonction de la température.

Publication
EP 0017572 A1 19801015 (FR)

Application
EP 80400421 A 19800328

Priority
• FR 7908791 A 19790406
• FR 7927015 A 19791031

Abstract (en)
1. Electrical switch operating in response to temperature and including within a housing (2) sets of electrical contacts, a temperature-responsive expansible bellows (39), and mechanical switching means which ensures a mechanical connection between said bellows (39) and said sets of electrical contacts and which includes at least one pivotable trip lever (42) with a switch finger which, by means of its actuating surface (active surface), actuates one of said contact sets as arcing contact set (70-73), characterized in that said switch comprises at the switch finger (43) of said pivotable trip lever (42) at least two adjoining faces forming said actuating surface, one (94) of said faces being perpendicular to the plane of the body of said pivotable trip lever (42) and being engaged by a lever (79) of said mechanism of said contact set (70-73) when said set is in its first state (either open or closed), and another one (95) of said faces extending at an inclination outwardly from said trip lever (42) and being engaged by said lever (79) of said mechanism of said contact set (70-73) when said set is moved to a second state (either closed or open).

Abstract (fr)
Interrupteur (1) comprenant un ensemble mécanique de commande, formé, au moins, d'un levier pivotant de commande (42), muni d'un doigt isolant de manoeuvre (43) et d'un ressort de rappel (44) à tension réglable, assurant le réglage et la transformation du mouvement d'un soufflet (39) rempli d'un fluide dilatable, en force de commande d'un mécanisme de contacts électriques à rupture brusque d'un interrupteur proprement-dit (3). Ce doigt de manoeuvre (43) qui agit sur ce mécanisme de contacts à rupture brusque comprend dans sa paroi d'attaque deux surfaces adjacentes, une surface (94) perpendiculaire au plan du corps de ce levier de commande (42) et une surface (95) inclinée vers l'extérieur de ce levier (42). Ces surfaces (94, 95) permettent d'augmenter la sensibilité de l'interrupteur (1).

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H01H 37/38; **H01H 37/04**; **H01H 37/12**

IPC 8 full level
H01H 35/26 (2006.01)

CPC (source: EP)
H01H 35/2607 (2013.01); **H01H 35/2614** (2013.01)

Citation (search report)
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• [A] US 2304019 A 19421201 - RANEY ESTEL C
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DE GB IT NL SE

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