

Title (en)  
PROTECTIVE CIRCUIT BREAKER WITH A RESILIENT LINK

Publication  
**EP 0218497 B1 19900228 (FR)**

Application  
**EP 86401923 A 19860902**

Priority  
FR 8513942 A 19850920

Abstract (en)  
[origin: EP0218497A1] 1. Protection switch for an electric installation comprising, in an insulating case (11) : - at least one fixed contact (C2) and a mobile contact (C1) which cooperate and form a current path which can be interrupted in response : - either to the actuation of a magnetic (DM) and/or thermal (DT) automatic tripping member, - or to the actuation of a manuel tripping and resetting control member (M), - a lock comprising : - a hook (12) which can be moved by the automatic tripping member (DM, DT), - a tripping lever (18) having at a first end a nose-piece (22) cooperating with the hook (12) and connected to the manuel control member (M) so as to pivot, either by bearing on the hook (12) so as to cause voluntary opening of the contacts or on a mowable shaft (19) connected to the manual control member (M) for causing automatic tripping ; this tripping lever (18) being connected to a contact piece (32) mounted for pivoting on a pin (30a) belonging to a rigid conducting piece (30) fixed with respect to the case (11) and fast with a terminal (B1) of the switch, by means of a spring (R) forming a resilient transmission link between the lever (18) and the contact piece (32) and contributing to sudden opening of the contact piece (32) characterized in that the resilient link (R) consists of a hairpin spring in the shape of a V, a first leg (28) of which is applied to a second end of the tripping lever (18) and the other leg (29) of which cooperates with two rests situated on each side of the pin (30a), namely an opening rest (36) and a closure rest (31).

IPC 1-7  
**H01H 71/40**; **H01H 71/50**

IPC 8 full level  
**H01H 71/40** (2006.01); **H01H 71/50** (2006.01)

CPC (source: EP)  
**H01H 71/402** (2013.01); **H01H 71/50** (2013.01)

Cited by  
EP0403329A1; FR2648615A1

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**EP 0218497 A1 19870415**; **EP 0218497 B1 19900228**; AT E50663 T1 19900315; DE 3669226 D1 19900405; FR 2587829 A1 19870327; FR 2587829 B1 19930507

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