

Title (en)
Modular circuit breaker.

Title (de)
Modulschutzschalter.

Title (fr)
Disjoncteur modulaire.

Publication
EP 0018553 A1 19801112 (FR)

Application
EP 80102075 A 19800418

Priority
FR 7910461 A 19790425

Abstract (en)
1. A modular circuit breaker comprising in a box of essentially rectangular cross-section, means for manual and automatic release, the automatic release means being controlled at low overload intensities by the deflection of a bimetal strip (8) and at the higher intensities by an electromagnetic device (13) placed in series with desionization plates (17-21), the manual release means being controlled by a handle which displaces a movable contact (6) serving for the disconnection and supported by a contact-carrier (37), the automatic release means further comprising a hooking cylinder (40) revolving under the effect of said bimetal strip (8) or said electromagnetic device (13) and thus releasing said contact-carrier (37) in order to displace said movable contact (6), said desionization plates (17-21) and said contact-carrier (37) being disposed essentially along the direction of the diagonal line of the cross-section of said box, characterized in that said bimetal strip (8) is further disposed along said direction and that a rounded end (75) of said bimetal strip (8) cooperates with a cam (76) of said hooking cylinder (40) which cam further comprises a flat part (78) permitting, by a continuous displacement of the end (75) on this flat part, the disengagement of said bimetal strip (8) during the operation at said high intensities.

Abstract (fr)
Disjoncteur permettant d'améliorer les performances techniques à des coûts de production moindres. Le bilame (8), les plaques de désionisation (17, 21) et le porte-contact (37) supportant le contact mobile (6) sont disposés selon la diagonale du coffret afin de pouvoir augmenter le volume de ces composants. Application - Disjoncteurs basse tension.

IPC 1-7
H01H 73/50; **H01H 71/50**; **H01H 71/16**

IPC 8 full level
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CPC (source: EP)
H01H 71/16 (2013.01); **H01H 71/505** (2013.01); **H01H 73/50** (2013.01); **H01H 2071/0292** (2013.01)

Citation (search report)
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EP 80102075 A 19800418; AR 28080280 A 19800424; AT 80102075 T 19800418; BR 8002527 A 19800424; DE 3064370 T 19800418; ES 490857 A 19800424; FR 7910461 A 19790425; MA 19005 A 19800411; PT 7115080 A 19800424; TR 2046080 A 19800424; ZA 802486 A 19800424