

Title (en)  
RELEASE SYSTEM IN A BUILT-IN INSTALLATION CIRCUIT BREAKER

Publication  
**EP 0323404 B1 19920401 (DE)**

Application  
**EP 88810876 A 19881219**

Priority  
CH 506787 A 19871225

Abstract (en)  
[origin: EP0323404A1] A release system in a built-in installation circuit breaker for up to 25 A, which switches off in the event of excess current, of electrical low-voltage distribution networks comprises a thermal release device (16) with a bimetallic strip, an electromagnetic release device consisting of a yoke (72), a core (67), a coil (60), a coil former (64), a movable armature (62) and an impact pin (66) which can be operated by the armature, a contact system which is arranged in a switching chamber (32) and has two fixed and one moving contact part (36, 42), having small contact plates (40, 44) and a manually operable switching lever (26) which is mechanically engaged via a locking mechanism (76) with the contact system. A moving contact which can be operated dynamically above a specific current intensity by the electromagnetic field, without any additional means of amplification such as iron parts in the form of a slotted motor, is installed in the double interruption contact system which is arranged in the switching chamber (32). <IMAGE>

IPC 1-7  
**H01H 77/10**

IPC 8 full level  
**H01H 71/24** (2006.01); **H01H 77/10** (2006.01); **H01H 73/04** (2006.01)

CPC (source: EP)  
**H01H 71/2418** (2013.01); **H01H 71/2409** (2013.01); **H01H 73/045** (2013.01)

Citation (examination)  
"Schutzschalter", von 4/71 Firmenschrift der Firma Klöckner-Moeller, DIN 57660 Teil 101/VDE 0660 Teil 101/09.82

Cited by  
CN105340041A; DE19803922A1; DE19803925A1; FR2794282A1; DE19540972B4; EP2416340A1; WO9102370A3; US9659726B2

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