

Title (en)  
CIRCUIT BREAKER WITH NEUTRAL-LINE DISCONNECTION

Publication  
**EP 0108022 B1 19860903 (FR)**

Application  
**EP 83402119 A 19831028**

Priority  
FR 8218219 A 19821029

Abstract (en)  
[origin: EP0108022A1] 1. A circuit breaker of the type comprising, in the same casing (10), two phase contacts (13A, 13B) of which one at least which is movable is urged by resilient opening means towards a tripped position in which it is spaced from the other phase contact, a manual tripping and closing member (23) which is mounted movably between a closing position and a tripping position and which is urged towards its tripping position by resilient return means, a control mechanism (35) which is adapted to provide, on the one hand, under the control of the manual tripping and closing member (23), that the movable phase contact (13B) moves to and remains in the closed position and, on the other hand, under the control of a thermal and/or electromagnetic tripping member, that said movable phase contact (13B) is freed, and two neutral contacts (40A, 40B) of which one, which is movable, is pilot controlled in respect of opening and closing by said manual tripping and closing member (23), cam means being provided for that purpose between said movable neutral contact and said manual member, characterised in that said cam means comprise a ramp (61) which is formed by the side of a slot (63) which is provided in the manual tripping and closing member (23) in recessed relationship therein, co-operating with return means (40, 70) for return to the closure position of the neutral contacts (40A, 40B) in response to a movement of the manual tripping and closing member (23) towards its closure position.

IPC 1-7  
**H01H 71/00**

IPC 8 full level  
**H01H 71/00** (2006.01); **H01H 1/42** (2006.01); **H01H 15/10** (2006.01)

CPC (source: EP)  
**H01H 71/002** (2013.01); **H01H 1/42** (2013.01); **H01H 15/102** (2013.01)

Cited by  
EP0540431A1; FR2683089A1; US5357066A

Designated contracting state (EPC)  
BE DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0108022 A1 19840509**; **EP 0108022 B1 19860903**; DE 3365892 D1 19861009; FR 2535521 A1 19840504; FR 2535521 B1 19851227

DOCDB simple family (application)  
**EP 83402119 A 19831028**; DE 3365892 T 19831028; FR 8218219 A 19821029