

Title (en)  
LOW-VOLTAGE PROTECTIVE CIRCUIT BREAKER WITH BLOCKING LEVER

Publication  
**EP 0047220 B1 19841128 (DE)**

Application  
**EP 81730070 A 19810806**

Priority  
DE 8023509 U 19800829

Abstract (en)  
[origin: US4368444A] In the low-voltage circuit breaker that has a toggle lever system connecting the actuating arm to a carrier that moves the movable contact, a locking lever is provided to prevent transfer of the operating lever handle to its "off" position if the movable contact is welded to the stationary contact. The locking lever is pivoted about a bearing support formed in the housing of the circuit breaker. The opposite end of the locking lever is connected to the handle to be pivoted by it. The locking lever has an angled-off projection that extends into the path of movement of the carrier and is positioned to engage the carrier if the latter is unable to move from its "on" position due to welding of the contacts together. When the contacts are not welded together, the locking lever enforces the toggle levers to snap through to their "off" position before the angled-off part of the locking lever comes into contact with the carrier of the movable contact.

IPC 1-7  
**H01H 71/62**

IPC 8 full level  
**H01H 71/50** (2006.01); **H01H 71/62** (2006.01); **H01H 73/40** (2006.01); **H01H 71/52** (2006.01)

CPC (source: EP US)  
**H01H 71/501** (2013.01 - EP US); **H01H 71/525** (2013.01 - EP US); **H01H 2071/502** (2013.01 - EP US); **Y10S 200/42** (2013.01 - EP US)

Cited by  
DE10025832B4; GB2226451A; GB2226451B; DE19841685A1; DE19841685C2; EP0462769A3

Designated contracting state (EPC)  
AT FR GB IT

DOCDB simple family (publication)  
**EP 0047220 A2 19820310; EP 0047220 A3 19820922; EP 0047220 B1 19841128**; AT E10555 T1 19841215; DE 8023509 U1 19801127; JP S5770645 U 19820428; US 4368444 A 19830111

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