

Title (en)  
MOTOR CIRCUIT BREAKER

Publication  
**EP 0110010 B1 19860910 (DE)**

Application  
**EP 83107159 A 19830721**

Priority  
CH 569982 A 19820928

Abstract (en)  
[origin: US4580117A] A rocking beam is movable into an "on" and an "off" position by actuating means which actuate linkage means and work against the force of a spring urging the beam into an intermediate trip-position. Through a guide surface the beam actuates a toggle assembly composed of two toggle levers linked by a toggle joint and having distal joints linked with a contact actuating lever and a pawl lever, respectively. When the pawl lever is restrained by the ratchet, the movement of the toggle joint caused by moving the actuating means into the "on" or "off" position results only in the opening and closing of contacts through a movement of their actuating lever. A readiness for switching on can be obtained by resetting the actuating means from the trip-position into the "off" position. If the switch is "on" and the pawl is released by the overload current trigger, then the spring can move the beam together with the actuating means into the intermediate, or trip, position, while a spring opens the contacts by operating the actuating lever. If the switch is released through the action of the short circuit trigger, then a toggle is also tripped and an external display becomes visible. It remains so until the toggle is reset by putting the actuating means into the "off" position. The switch can be reset by the same simple action.

IPC 1-7  
**H01H 71/04**; **H01H 73/56**

IPC 8 full level  
**H01H 71/50** (2006.01); **H01H 71/04** (2006.01); **H01H 73/56** (2006.01)

CPC (source: EP US)  
**H01H 71/04** (2013.01 - EP US); **H01H 73/56** (2013.01 - EP US); **H01H 2071/042** (2013.01 - EP US)

Cited by  
EP0496938A3; US5399219A; EP0184026A3; EP0208614A1; FR2584531A1; DE102004040288B4; DE102004040288A1; EP1628317A3; WO9933425A1; WO9748357A1; EP1084687A2; EP0688550A1

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