

Title (en)

CIRCUIT BREAKER HAVING DOUBLE POLE INTERRUPTION

Title (de)

LEITUNGSSCHUTZSCHALTER MIT ZWEIPOLIGER UNTERBRECHUNG

Title (fr)

DISJONCTEUR AVEC INTERRUPTION BIPOLAIRE

Publication

**EP 1488438 B1 20070124 (DE)**

Application

**EP 03709797 A 20030318**

Priority

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- EP 0302817 W 20030318

Abstract (en)

[origin: WO03079389A1] The invention relates to a circuit breaker having double pole interruption, comprising a first and second contact device, each of which having a stationary contact (26) and a moving contact (23), whereby both moving contacts (23) are mounted on a supporting body (11) in a manner that enables them to pivot about a common pivot axis (24) while each being pretensioned in their closed position by a contact spring (28). The circuit breaker also comprises a switching lever (21), which is pivotally mounted on the supporting body (11) and is pretensioned by the contact springs (28) of the moving contacts (23) in an interrupt position, in which the switching lever (21) holds the moving contacts (23) in their breaking position. The circuit breaker additionally has a switch actuating element (31) that can be coupled to the switching lever (21) via a coupling device (32, 20), whereby the switch actuating element (31) enables the switching lever (21) to pivot out of its interrupt position and into an enable position against the force of the contact springs (28) and to be held in this enable position as long as the switch actuating element (31) is coupled to the switching lever (21). The coupling device has a coupling element (32), which is coupled to the switch actuating element, and a detent (20), which is pivotally mounted on the switching lever (21) and holds the coupling element (32) in contact therewith or releases it depending on the position relative to the switching lever. Finally, the circuit breaker comprises a trip element (16), which acts upon the detent (20) in the event of a fault whereby causing the detent to release the coupling element (32).

IPC 8 full level

**H01H 71/52** (2006.01)

CPC (source: EP)

**H01H 71/526** (2013.01)

Citation (examination)

- EP 0691665 A1 19960110 - ABB PATENT GMBH [DE]
- EP 1329923 A2 20030723 - PRODEX TECHNOLOGIE GMBH [DE]

Cited by

WO2016108761A1; WO2011112159A1

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