

Title (en)

Fault current circuit breaker and method of implementing a self-test for a fault current circuit breaker

Title (de)

Fehlerstromschutzschalter und Verfahren zum Durchführen eines Selbsttestes eines Fehlerstromschutzschalters

Title (fr)

Disjoncteur de protection à courant de défaut et procédé d'exécution d'un contrôle automatique d'un disjoncteur de protection à courant de défaut

Publication

EP 2068338 A3 20130306 (DE)

Application

EP 08169084 A 20081114

Priority

DE 102007058989 A 20071207

Abstract (en)

[origin: EP2068338A2] The fault current circuit breaker has a sum current converter (18), an electronic estimation unit (12), and a moving contact element (1), which is moved with a force. Another contact element (2) is provided, which is electrically connected with the former contact element. A limiting element is provided to limit a movement of the former moving contact element. A control unit (11) is connected with the sum current converter by a control line (15). Monitoring components are provided for detecting a movement of the other moving contact element. An independent claim is included for a method for implementing a self-test for a fault current circuit breaker.

IPC 8 full level

H01H 83/04 (2006.01); **H01H 71/46** (2006.01); **H02H 3/33** (2006.01)

CPC (source: EP)

H01H 71/46 (2013.01); **H01H 83/04** (2013.01); **H01H 1/502** (2013.01)

Citation (search report)

- [A] DE 4432643 A1 19960321 - BERTHOLD RAINER DIPL PHYS [DE]
- [AD] EP 1562213 B1 20070411 - GEWISS SPA [IT]

Cited by

EP2667398A1; CN114460457A; CN112834918A; ITMI20120884A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2068338 A2 20090610; EP 2068338 A3 20130306; EP 2068338 B1 20140917; DE 102007058989 A1 20090618

DOCDB simple family (application)

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