

Title (en)

Overcurrent and short circuit trip device for an electric circuit breaker

Title (de)

Überstrom- und Kurzschlussauslöser für einen elektrischen Installationsschalter

Title (fr)

Déclencheur de surintensité et de courtcircuit pour un disjoncteur électrique

Publication

EP 0849761 A3 19990107 (DE)

Application

EP 97121381 A 19971205

Priority

DE 19653295 A 19961220

Abstract (en)

[origin: EP0849761A2] The trigger has a thermal triggering device, pref. in the form of a thermobimetallic device (40), and an electromagnetic impact armature trigger with armature (33), coil (34), yoke and core. The yoke has an arm (35) parallel to the coil axis. The thermal trigger is attached to the arm and lies parallel to the coil axis and to the yoke arm so that it is heated by the current-carrying coil and yoke. The length of the arm corresp. to that of the thermobimetallic element; the former is pref. equal to in length or longer than the latter.

IPC 1-7

H01H 71/40

IPC 8 full level

H01H 71/40 (2006.01); **H01H 71/16** (2006.01); **H01H 71/24** (2006.01)

CPC (source: EP)

H01H 71/40 (2013.01); **H01H 71/164** (2013.01); **H01H 71/2409** (2013.01); **H01H 71/2463** (2013.01); **H01H 2071/407** (2013.01)

Citation (search report)

- [XY] FR 1544977 A 19681108 - LICENTIA GMBH
- [Y] EP 0037490 A1 19811014 - BBC BROWN BOVERI & CIE [DE]
- [A] FR 714012 A 19311106 - TELEMECANIQUE ELECTRIQUE

Cited by

CN103681146A; CN103441047A; CN107004546A; EP1492141A1; CN109243936A; EP2544207A1; CN102867708A; KR20160119007A; WO2014083191A1; US8593240B2; US8754729B2; EP1815489A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0849761 A2 19980624; **EP 0849761 A3 19990107**; **EP 0849761 B1 20030507**; AT E239978 T1 20030515; DE 19653295 A1 19980625; DE 59710032 D1 20030612

DOCDB simple family (application)

EP 97121381 A 19971205; AT 97121381 T 19971205; DE 19653295 A 19961220; DE 59710032 T 19971205