

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 B1 20030507 (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)

Cited by

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

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