

Title (en)

Electromagnetic trip device for a low current circuit breaker.

Title (de)

Elektromagnetischer Auslöser für einen Schwachstromschalter.

Title (fr)

Déclencheur électromagnétique pour un disjoncteur électrique à bas calibres.

Publication

**EP 0515292 B1 19950412 (FR)**

Application

**EP 92420161 A 19920515**

Priority

FR 9106309 A 19910521

Abstract (en)

[origin: EP0515292A1] The invention relates to an electromagnetic trip (24) for a low-current, in particular less than a few amperes, miniature circuit breaker. To avoid a magnetic leakage field around the trip, the yoke (60) includes a first ferromagnetic piece (62) serving as means of support to the coil (50) and cores (48,54) assembly, and a second ferromagnetic piece (64) assembled to the first of conjugate shape to form a complete screening member. Magnetic saturation of the electromagnetic is then retarded when a short-circuit current is detected. <IMAGE>

IPC 1-7

**H01H 71/24**

IPC 8 full level

**H01H 71/24** (2006.01)

CPC (source: EP)

**H01H 71/2454** (2013.01); **H01H 71/2463** (2013.01)

Cited by

EP1906427A1; FR2779567A1; EP0834895A1; FR2753836A1; US5894257A; EP1501112A1; FR2858106A1; CN1320580C; EP1583130A1; FR2868596A1; US6956454B1; WO9963564A1

Designated contracting state (EPC)

BE CH DE ES GB IT LI SE

DOCDB simple family (publication)

**EP 0515292 A1 19921125; EP 0515292 B1 19950412**; DE 69201999 D1 19950518; DE 69201999 T2 19951123; ES 2073896 T3 19950816; FR 2676860 A1 19921127; FR 2676860 B1 19940617

DOCDB simple family (application)

**EP 92420161 A 19920515**; DE 69201999 T 19920515; ES 92420161 T 19920515; FR 9106309 A 19910521