

Title (en)
Overcurrent trip device

Title (de)
Überstromauslöser

Title (fr)
Déclencheur de surintensité

Publication
EP 1001444 A3 20010404 (DE)

Application
EP 98122193 A 19981127

Priority
DE 19847155 A 19981013

Abstract (en)
[origin: DE19847155A1] The device has a heat conducting tubular carrying body (11) wound with a coil (12). There is a stop end (13) and an opposite expanded accommodation end (14) for mounting and radial support of a bimetallic spring plate (15) with a central bore. An armature (20) moves in the carrying body between the stop end and a core (16), with a central bore. A pin (25) that extends through the bore in the spring plate and in the core towards the armature, which can be thermally reset. In the ready state, the distance between the armature and core is not greater than the stroke of the spring plate.

IPC 1-7
H01H 71/40

IPC 8 full level
H01H 71/40 (2006.01); **H01H 71/24** (2006.01); **H01H 71/74** (2006.01)

CPC (source: EP US)
H01H 71/40 (2013.01 - EP US); **H01H 71/2454** (2013.01 - EP US); **H01H 71/2463** (2013.01 - EP US); **H01H 71/7463** (2013.01 - EP US); **H01H 2071/407** (2013.01 - EP US)

Citation (search report)

- [A] DE 29502573 U1 19950420 - KOPP HEINRICH AG [DE]
- [A] US 4965543 A 19901023 - BATTEUX PIERRE [FR]
- [DA] DE 19629062 A1 19980129 - KOPP HEINRICH AG [DE]
- [DA] DE 3637275 C1 19880505 - FLOHR PETER

Cited by
FR2999014A1; US10283301B2; US9355803B2; WO2014087073A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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DE 19847155 A 19981013; EP 98122193 A 19981127; US 32771899 A 19990608