

Title (en)

Bimetallic thermal triggering apparatus for a protection device

Title (de)

Thermische Auslöseeinrichtung für Schutzgerät

Title (fr)

Dispositif de déclenchement thermique pour appareil de protection

Publication

EP 0831510 B1 20011017 (FR)

Application

EP 97401850 A 19970731

Priority

FR 9611649 A 19960923

Abstract (en)

[origin: EP0831510A1] The trigger device includes a bimetal blade (10) fixed on a flat support (20) connected to the output terminal of a protection appts. The blade is thin with a rectangular shape and presents an extension (12) connected to a terminal (30). The blade is welded to the support using a laser beam. The terminal presents an ascending branch (32), with its lower extremity connected to a conductor (40), and a descending branch (33) terminated with an extension (36) normal to the branch direction. This shape facilitates a higher temperature gradient between the blade and the terminal.

IPC 1-7

H01H 71/16

IPC 8 full level

H01H 71/16 (2006.01)

CPC (source: EP US)

H01H 71/16 (2013.01 - EP US); **H01H 71/164** (2013.01 - EP US); **H01H 2037/525** (2013.01 - EP US)

Cited by

EP3185275A1; FR3045931A1; US9916955B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0831510 A1 19980325; **EP 0831510 B1 20011017**; DE 69707387 D1 20011122; DE 69707387 T2 20020523; FR 2753835 A1 19980327; FR 2753835 B1 19981030; US 5844466 A 19981201

DOCDB simple family (application)

EP 97401850 A 19970731; DE 69707387 T 19970731; FR 9611649 A 19960923; US 90852397 A 19970807