

Title (en)

Thermal trip device and current breaking apparatus comprising one such device

Title (de)

Thermische Auslösvorrichtung und Schutzschalter mit dieser Vorrichtung

Title (fr)

Dispositif de déclenchement thermique et appareil de coupure du courant comportant un tel dispositif

Publication

**EP 2743959 B1 20150114 (FR)**

Application

**EP 13188088 A 20131010**

Priority

FR 1262048 A 20121214

Abstract (en)

[origin: EP2743959A1] The device has a thermal protection device comprising an active metal strip (26) producing heat when an over current above a value of nominal intensity is produced and a compensation bimetal strip (27) to compensate for variations as changes of room temperature are determined in a temperature circuit. The compensation bimetal strip is partially and fixedly mounted in a housing placed in an insulating support (28). The support is arranged relative to the active bimetal strip to form a screen to protect the compensation bimetal strip against thermal radiation generated by the active metal strip. An independent claim is also included for a current breaking apparatus.

IPC 8 full level

**H01H 71/40** (2006.01); **H01H 71/10** (2006.01); **H01H 71/16** (2006.01); **H01H 71/22** (2006.01); **H01H 37/52** (2006.01); **H01H 83/20** (2006.01)

CPC (source: EP)

**H01H 37/521** (2013.01); **H01H 71/1072** (2013.01); **H01H 71/162** (2013.01); **H01H 71/40** (2013.01); **H01H 71/7427** (2013.01); **H01H 83/20** (2013.01)

Cited by

CN104733261A; CN109599305A

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2743959 A1 20140618**; **EP 2743959 B1 20150114**; ES 2534569 T3 20150424; FR 2999794 A1 20140620; FR 2999794 B1 20150102; MA 35390 B1 20140901; PT 2743959 E 20150216

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**EP 13188088 A 20131010**; ES 13188088 T 20131010; FR 1262048 A 20121214; MA 36446 A 20131115; PT 13188088 T 20131010