

Title (en)

Improvements relating to thermal controls for electric heating elements

Title (de)

Verbesserung für eine thermische Regelung eines elektrischen Heizelements

Title (fr)

Perfectionnement concernant la régulation thermique pour un élément électrique chauffant

Publication

EP 1517346 B1 20061206 (EN)

Application

EP 04028228 A 19990414

Priority

- EP 99915934 A 19990414
- GB 9807924 A 19980414

Abstract (en)

[origin: WO9953513A1] A contactstat thermal sensor comprises a snap acting disk bimetal housed under a thermally conductive end cap fitted to a sensor body and operating a set of primary switch contacts via a push rod. For providing secondary protection, operable in the event that the primary protection afforded by the bimetal fails to operate, the moving contact of the primary switch contacts is provided at one end of a spring metal beam and the other end of the beam is held down, against its spring bias, in electrical contact with a terminal part of the sensor by means of a fusible rod arranged to melt and release the spring metal beam, thereby disrupting the electrical path through the sensor, in the event that the fusible rod is subjected to a temperature above the normal operating temperature of the bimetal.

IPC 8 full level

H01H 37/00 (2006.01)

CPC (source: EP)

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Cited by

CN103824727A; CN102969199A; CN103367035A; WO2007033537A1

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DE FR

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WO 9953513 A1 19991021; AU 3435499 A 19991101; CN 1134807 C 20040114; CN 1304539 A 20010718; DE 69928517 D1 20051229; DE 69928517 T2 20060810; DE 69934338 D1 20070118; DE 69934338 T2 20070628; EP 1072048 A1 20010131; EP 1072048 B1 20051123; EP 1517346 A1 20050323; EP 1517346 B1 20061206; GB 0216281 D0 20020821; GB 2338110 A 19991208; GB 2338110 B 20020828; GB 2373926 A 20021002; GB 2373926 B 20021113; GB 9807924 D0 19980610; HK 1038829 A1 20020328

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