Title (en)

BIMETAL SWITCH

Publication

EP 0272696 A3 19891206 (DE)

Application

EP 87119088 A 19871223

Priority

DE 3644514 A 19861224

Abstract (en)

[origin: US4862132A] A bimetal switch 1 has an insulating base 2 on which a contact spring 3 is arranged, this contact spring having at its unattached end 4 a moving contact 5. In its center area 6, the contact spring 3 supports the bimetal element that activates it. A fixed contact 8 that works in conjunction with the moving contact 5 is arranged on the insulating base and the heating resistor is installed beneath the center area 6 of the contact spring 3. In order to develop a bimetal switch of this kind such that it is simpler to produce and at the same time operates more effectively, the heating resistor 9 is configured as a foil resistor that is arranged on that side of the insulating base that faces the contact spring 3 so as to be flat and in thermal contact with the base, this then forming a laminated body with the insulating base 2.

IPC 1-7

H01H 61/02; H01H 1/50

IPC 8 full level

H01H 1/50 (2006.01)

CPC (source: EP US)

H01H 1/504 (2013.01 - EP US); **H01H 37/54** (2013.01 - EP US)

Citation (search report)

- [Y] GB 1515356 A 19780621 - EMI LTD
- [Y] FR 2462013 A1 19810206 - LIMITOR AG [CH]
- [A] DE 2709175 A1 19780907 - INTER CONTROL KOEHLER HERMANN
- [A] EP 0102574 A2 19840314 - LIMITOR AG [CH]
- [A] FR 1401964 A 19650611 - OTTER CONTROLS LTD

Cited by

EP0887826A3; EP0557744A1; EP0951040A3; FR2688935A1; EP0507425A1; US5233325A; EP0951041A3

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0272696 A2 19880629; **EP 0272696 A3 19891206**; CA 1276668 C 19901120; DE 3644514 A1 19880707; DE 3644514 C2 19881201; US 4862132 A 19890829

DOCDB simple family (application)

EP 87119088 A 19871223; CA 555415 A 19871224; DE 3644514 A 19861224; US 13774887 A 19871224