

Title (en)

PTC HEATING ELEMENT AND ELECTRIC HEATING DEVICE CONTAINING SUCH A PTC HEATING ELEMENT AND METHOD FOR MANUFACTURING AN ELECTRIC HEATING DEVICE

Title (de)

PTC-HEIZELEMENT SOWIE ELEKTRISCHE HEIZVORRICHTUNG UMFASSEND EIN SOLCHES PTC-HEIZELEMENT UND VERFAHREN ZUM HERSTELLEN EINER ELEKTRISCHEN HEIZVORRICHTUNG

Title (fr)

ÉLÉMENT DE CHAUFFAGE PTC ET DISPOSITIF DE CHAUFFAGE ÉLECTRIQUE COMPRENANT UN TEL ÉLÉMENT DE CHAUFFAGE PTC ET PROCÉDÉ DE FABRICATION D'UN DISPOSITIF DE CHAUFFAGE ÉLECTRIQUE

Publication

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Application

EP 15170336 A 20150602

Priority

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Abstract (en)

[origin: US2016360573A1] A PTC heating element includes at least one PTC element provided between strip conductors. To reduce the air gap and creep distance between the two strip conductors an insulating mass seals at least one of the strip conductors and/or the PTC element over the whole circumference. In the electric heating device according to the invention, such a PTC heating element lies in an electrically conducting manner against heat-emitting surfaces of the heating device. According to the method of the invention for producing an electric heating device, the strip conductors are glued to the PTC element for producing a PTC heating cell. The PTC heating cell is then sealed between two electrical insulation layers by an insulating mass which is applied circumferentially around at least one of the strip conductors and/or the PTC element.

IPC 8 full level

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CPC (source: CN EP US)

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