

Title (en)

PTC HEATING ELEMENT, ELECTRIC HEATER, AND USE OF A PTC HEATING ELEMENT

Title (de)

PTC HEIZELEMENT, ELEKTRISCHE HEIZVORRICHTUNG UND VERWENDUNG EINES PTC HEIZELEMENTS

Title (fr)

ÉLÉMENT CHAUFFANT À COEFFICIENT DE TEMPÉRATURE POSITIF (CTP), DISPOSITIF DE CHAUFFAGE ÉLECTRIQUE ET UTILISATION D'UN ÉLÉMENT CHAUFFANT CTP

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Application

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Abstract (en)

[origin: WO2022171857A1] The invention relates to a PTC heating element (1) for an electric heater, having - at least one PTC element (2), at least one electrode (3) being formed on a surface (2a, 2b, 2c) of the PTC element (2) for electrically contacting the PTC element (2), - at least one additional contact (4) for electrically connecting the electrode (3) of the PTC element (2), - at least one carrier layer (5), the carrier layer (5) being electrically insulating, wherein the thickness (d) of the PTC element (2) is $\leq 500 \mu\text{m}$, and the installation height (H) of the PTC heating element (1) is between $500 \mu\text{m}$ and $2500 \mu\text{m}$. The invention also relates to an electric heater and to the use of the PTC heating element (1) in a motor vehicle.

IPC 8 full level

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