

Title (en)
PTC HEATING ARRANGEMENT

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PTC-HEIZANORDNUNG

Title (fr)
AGENCEMENT DE CHAUFFAGE CTP

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Abstract (en)
The invention relates to a PTC heating arrangement (1) comprising at least one PTC module (2). The at least one PTC module (2) has an elongated PTC heating element (3) and a rib structure (4) comprising a plurality of ribs (16), which is arranged on the PTC heating element (3) so as to transfer heat. The PTC heating element (3) thereby has a cuboid housing (5) and at least one PTC thermistor (9), which is arranged in the housing (5). The housing (5) has two opposite heat dissipating walls (6), which are connected to one another by means of two opposite side walls (7), and which extend in the longitudinal direction (8) of the PTC heating element (3). The at least one PTC thermistor (9) is secured in the housing (5) on the inner side on the heat dissipating walls (6) so as to transfer heat. According to the invention, the PTC heating element (3) is arranged at least area by area in an accommodating space (12) of the rib structure (4) in its longitudinal direction (8). The rib structure (4) further surrounds the PTC heating element (3) in the area of the accommodating space (12) in the circumferential direction. The heat dissipating walls (6) and the side walls (7) of the housing (5) of the PTC heating element (3) are thereby secured on the outer side in the area of the accommodating space (12) on an inner surface (13) of the accommodating space (12) so as to transfer heat.

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Citation (search report)

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