

Title (en)  
PLANAR HEATING ELEMENT WITH A PTC RESISTANCE STRUCTURE

Title (de)  
PLANARES HEIZELEMENT MIT EINER PTC-WIDERSTANDSSTRUKTUR

Title (fr)  
ÉLÉMENT CHAUFFANT PLAN À STRUCTURE RÉSISTIVE CTP

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Application  
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Abstract (en)  
[origin: WO2015189388A1] The invention relates to a planar heating element (1) comprising a PTC resistance structure (2) arranged in a defined surface region (3) of a first surface (4) of a carrier substrate (5), wherein electric terminal contacts (6) are associated with the PTC resistance structure (2) for connecting to an electrical voltage source (7), wherein the PTC resistance structure (2) - on the basis of the two electrical terminal contacts (6) - has at least one inner conductor track (8) and a parallel connected outer conductor track (9), wherein the inner conductor track (8) has a larger resistance than the outer conductor track (9) and wherein the resistances of the inner conductor track (8) and outer conductor track (9) are measured such that when a voltage is applied, there is a substantially uniform temperature distribution within the defined surface region (3).

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