

Title (en)
HEATING ELEMENT HAVING A CNT COATING

Title (de)
HEIZELEMENT MIT CNT-BESCHICHTUNG

Title (fr)
ÉLÉMENT CHAUFFANT AYANT UN REVÊTEMENT À NANOTUBES DE CARBONE

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Abstract (en)
[origin: WO2017213495A1] The present disclosure relates to a heating element, comprising: - a rigid, plate-like, electrically insulating carrier (1) having a low thermal expansion coefficient in a predetermined temperature range; - a CNT coating (11) on the carrier, comprising carbon nano tubes; and - an electrical connection (7) in contact with the CNT coating to apply a voltage over the CNT coating - wherein the electrical connection comprises at least one electrically conductive, elongate member in the form of a strip of copper paint, applied on and extending over the CNT coating. Preferably, the heating element is such that the carrier comprises at least one element from a group comprising: a printed circuit board; a slate plate; a stone plate, a plastic plate, a resin plate; and the like. Preferably the carrier is made of the same epoxy based material as a printed circuit board.

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