

Title (en)
FLEXIBLE HEATING ELEMENT, METHOD FOR PRODUCING SUCH A HEATING ELEMENT, AND USE OF A FLEXIBLE HEATING ELEMENT

Title (de)
FLEXIBLES HEIZELEMENT, VERFAHREN ZUR HERSTELLUNG EINES DERARTIGEN HEIZELEMENTS UND VERWENDUNG EINES FLEXIBLEN HEIZELEMENTS

Title (fr)
ÉLÉMENT CHAUFFANT FLEXIBLE, PROCÉDÉ DE FABRICATION D'UN TEL ÉLÉMENT CHAUFFANT ET UTILISATION D'UN ÉLÉMENT CHAUFFANT FLEXIBLE

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Abstract (en)
[origin: WO2022043210A1] The invention relates to a flexible heating element (10) exhibiting a temperature resistance of at least 250°C, in particular of at least 300°C, comprising: - an electrically conductive substrate (15) formed from a metal foil, - an insulation layer (20) formed on at least one side (16) of the substrate (15), and - a heating structure (30) formed on the side (21) of the insulation layer (20) facing away from the substrate (15), wherein the heating element (10) has a heating-element thickness (DH) of less than 1.0 mm, the substrate (15) has a substrate thickness (DS) of 0.02 mm - 0.5 mm, and the insulation layer (20) has an insulation-layer thickness (DI) of 0.2 µm - 30 µm.

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