

Title (en)

ELECTRICAL HEATING BODY IN THE FORM OF A COMPRESSED HEATING ELEMENT WITH PERMANENT SPRING PROPERTIES

Title (de)

ELEKTRISCHER HEIZKÖRPER IN FORM EINES VERDICHTETEN HEIZELEMENTES MIT DAUERHAFTEN FEDEREIGENSCHAFTEN

Title (fr)

CORPS ELECTRIQUE CHAUFFANT SOUS FORME D'ELEMENT CHAUFFANT COMPRIME A PROPRIETES ELASTIQUES PERMANENTES

Publication

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Application

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Abstract (en)

[origin: WO2005079115A1] The invention relates to an electric heating body in the form of a compressed heating element which heats the cylindrical component on the exterior thereof, preferably, in the form of a spiral-tube element, on the injection nozzle of injection moulding or die casting tools or similar heatable cylindrical components. Said electric heating body consists of a metallic cover wherein an MgO- ceramic is arranged and a heat conductor spiral is embedded therein. The material of the metallic cover has a tensile strength Rm at 500 DEG C of > 650 N/mm<2> and a yield strength Rp0,2 at 500 DEG C which is approximately the same size, in order to obtain a permanent radial contact pressure of the spiral-tube element on the component which is to be heated based on the spring properties thereof.

IPC 8 full level

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Citation (search report)

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