

Title (en)

METHOD FOR MANUFACTURING INDUCTORS FOR INDUCTION HEATING USING MICROFUSION TECHNIQUES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON INDUKTOREN FÜR INDUKTIONSHEIZUNG UNTER VERWENDUNG VON MIKROSCHMELZTECHNIKEN

Title (fr)

PROCÉDÉ DE FABRICATION D'INDUCTEURS DE CHAUFFAGE PAR INDUCTION AU MOYEN DE TECHNIQUES DE MICROFUSION

Publication

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Application

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Priority

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Abstract (en)

The method consists in the implementation of given steps for producing an inductor for induction heating. Firstly the planes of the inductor are generated in two dimensions and then planes are generated in three dimensions, these being suitable for use with a wax deposition system. This is followed by the creation, by means of wax deposition, of a model of the inductor in two stages which will form the inside and the body of the inductor, respectively. A mould with the external form of the inductor and with dimensions larger than the inductor is formed. The inductor model is introduced into the mould. The mould is filled with a high-conductivity alloy and introduced into a microfusion oven. Once dried in the oven, mould extraction is performed by means of physical mechanisms and chemical pickling agents, thereby obtaining the inductor.

IPC 8 full level

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