

Title (en)

CIRCUIT, SHRINK FIXING AND REGULATION METHOD

Title (de)

SCHALTUNG, SCHRUMPFBEFESTIGUNG UND VERFAHREN ZUR REGELUNG

Title (fr)

CIRCUIT, DISPOSITIF DE FIXATION PAR SERRAGE ET PROCEDE DE REGULATION

Publication

EP 1922901 B1 20130424 (DE)

Application

EP 06777095 A 20060828

Priority

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- DE 102005042615 A 20050907

Abstract (en)

[origin: WO2007028523A1] A circuit 1 for controlling the supply of electrical power to an induction coil 2, in particular to an induction coil 2 for heating a shrink fixing for tools, comprises a rectifier 3 having an input 3a, 3b, 3c for feeding in an input power and having a rectifier output. In addition, the circuit 1 has an inverter 5 for outputting an AC voltage having an input and an inverter output 5a, 5b for connection to the induction coil 2, an intermediate circuit 4 for connecting the rectifier 3 to the inverter 5, and a regulating unit for regulating the power supply to the induction coil 2. A measuring apparatus 6 for measuring a current $A_{2</SUB>2</SUB>}$ as input variable for the regulating unit is connected to the output side of the inverter 5. A corresponding method for regulating the power supply to the induction coil 2 comprises a regulation step, in which the current $A_{2</SUB>2</SUB>}$ supplied to the induction coil 2 is used as input variable for the regulation of the power supply to the induction coil 2.

IPC 8 full level

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