

Title (en)

METHOD FOR OPERATING AN INDUCTION HEATING DEVICE

Title (de)

VERFAHREN ZUM BETRIEB EINER INDUKTIONSHEIZEINRICHTUNG

Title (fr)

PROCEDE POUR FAIRE FONCTIONNER UN SYSTEME DE CHAUFFAGE PAR INDUCTION

Publication

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Application

EP 06806263 A 20061013

Priority

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Abstract (en)

[origin: WO2007042318A1] The invention relates to a method for operating an induction heating device. Said induction heating device comprises an induction coil and a frequency converter for producing a drive voltage for the induction coil. The frequency converter comprises a rectifier rectifying an alternating supply voltage (UN), an intermediate circuit capacitor, looped in between output terminals of the rectifier and equalizing the rectified voltage (UG), and at least one drivable switching element, looped in between the output terminals of the rectifier. According to the invention, in a predetermined discharge interval (INT) before a zero crossing (ND) of the alternating supply voltage (UN), the intermediate circuit capacitor is discharged down to a threshold value by driving the at least one switching element before the induction coil is controlled in order to produce an adjustable heating capacity.

IPC 8 full level

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