

Title (en)

Induction heating method and unit

Title (de)

Induktionsheizverfahren und -einheit

Title (fr)

Procédé et unité de chauffage par induction

Publication

EP 2405711 A2 20120111 (EN)

Application

EP 11184312 A 20020626

Priority

- EP 11184312 A 20020626
- EP 02741342 A 20020626

Abstract (en)

An induction heating method comprising the steps of supplying a plurality of heating coils with electricity by resonance-type inverters respectively corresponding to said heating coils with one of said resonance-type inverters being a main inverter and another being a subordinate inverter, driving said subordinate inverter in such a manner that a phase of a current supplied to said heating coil on a subordinate side is synchronized with a phase of a current supplied to said heating coil on said main side or maintained at a phase difference to be set, based on a drive signal of said main inverter or an output voltage or an output current of said main inverter.

IPC 8 full level

H05B 6/06 (2006.01); **A45D 20/12** (2006.01); **H05B 6/12** (2006.01); **H05B 6/14** (2006.01); **H05B 6/44** (2006.01)

CPC (source: EP)

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Citation (applicant)

- JP H0339482 A 19910220 - HITACHI ELECTR ENG
- JP 3039482 U 19970722

Cited by

RU2680715C1; EP3087805A4; EP2890217A4; US10764970B2; US10827570B2; US10904962B2; US10904961B2; US11404758B2; US10912160B2; US11039510B2; US11483905B2; US10560986B2; US11102855B2; US10772165B2; US10827569B2; US9591696B2; DE112013000253B4; US10136476B2; US10820382B2; DE112013005197B4; US10993293B2; US11191133B2

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