

Title (en)
Induction heating device

Title (de)
Induktionsheizvorrichtung

Title (fr)
Dispositif de chauffage à induction

Publication
EP 2670213 A2 20131204 (DE)

Application
EP 13168774 A 20130522

Priority
ES 201230821 A 20120530

Abstract (en)
The induction heating device (12) has five independent induction heating groups (20,22,24,26,28) An electronic unit (16) is provided for the induction heating groups to supply maximum of two different power supplies (30,40). The electronic unit is provided with two heating frequency modules (32,42) to supply energy from different power supplies to induction heating groups. The heating frequency modules are provided with circuit boards. An independent claim is included for a method for operating induction heating device.

Abstract (de)
Die Erfindung geht aus von einer Induktionsheizvorrichtung (12-12f), insbesondere Induktionskochfeldvorrichtung, mit zumindest fünf unabhängigen Induktionsheizgruppen (20-20f, 22-22f, 24-24f, 26-26f, 28-28f, 52c-52f, 54e-54f, 56f) und einer Elektronikeinheit (16-16f), die dazu vorgesehen ist, die Induktionsheizgruppen (20-20f, 22-22f, 24-24f, 26-26f, 28-28f, 52c-52f, 54e-54f, 56f) zu versorgen. Um eine Bauteil- und/oder Kostenersparnis, insbesondere bei ausreichender Leistungsversorgung, zu erreichen, wird vorgeschlagen, dass die Elektronikeinheit (16-16f) dazu vorgesehen ist, die Induktionsheizgruppen (20-20f, 22-22f, 24-24f, 26-26f, 28-28f, 52c-52f, 54e-54f, 56f) von maximal zwei unterschiedlichen Energiequellen (30-30f, 40-40f) zu versorgen.

IPC 8 full level
H05B 6/06 (2006.01)

CPC (source: EP ES)
H05B 6/06 (2013.01 - ES); **H05B 6/062** (2013.01 - EP); **H05B 2213/03** (2013.01 - EP)

Cited by
CN113508640A; EP3026982A1; EP3911117A1; WO2023211910A1; WO2024051998A1; US10455647B2; US11006486B2; EP3026982B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2670213 A2 20131204; EP 2670213 A3 20140709; EP 2670213 B1 20210317; ES 2432235 A2 20131202; ES 2432235 B1 20141104; ES 2432235 R1 20140123; PL 2670213 T3 20211004

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EP 13168774 A 20130522; ES 201230821 A 20120530; PL 13168774 T 20130522