

Title (en)
Induction heating device

Title (de)
Induktionsheizvorrichtung

Title (fr)
Dispositif de chauffage à induction

Publication
EP 2648476 B1 20160525 (DE)

Application
EP 13160666 A 20130322

Priority
ES 201230499 A 20120402

Abstract (en)
[origin: EP2648476A1] The device (12) has a rectifier unit (30) provided for rectifying current of an electric power source (18) i.e. power supply. The rectifier unit comprises quick-recovering rectifying elements (32, 34, 36, 38) i.e. diodes. A heating frequency unit (50) applies energy over the rectifier unit in an operating mode and supplies an induction heating unit (20) i.e. cook field inductor, with a high frequency alternating current. A resonance unit (60) forms a resonance pitch circle with the induction heating unit and is connected directly with the electric power source in the operating mode. An independent claim is also included for a method for operating an induction heating device.

IPC 8 full level
H05B 6/06 (2006.01); **H05B 1/02** (2006.01); **H05B 6/12** (2006.01)

CPC (source: EP)
H05B 6/062 (2013.01)

Citation (examination)
US 3898410 A 19750805 - PETERS JR PHILIP H

Cited by
US10260753B2; WO2017071938A1

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

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