

Title (en)
Induction heating device

Title (de)
Induktionsheizvorrichtung

Title (fr)
Dispositif de chauffage à induction

Publication
EP 2582201 B1 20170419 (DE)

Application
EP 12187782 A 20121009

Priority
ES 201131632 A 20111011

Abstract (en)
[origin: EP2582201A1] The device (12a) has a heating frequency unit (22a) e.g. bridge inverter, supplying high frequency alternating current (AC) to an induction heating element (20a) i.e. wound electrical conductor, in an operating mode. A boost unit (24a) converts an input voltage e.g. pulsed direct voltage, into an output voltage that is larger than the input voltage. The frequency and boost units are partially integrally designed. The frequency unit includes switching elements (30a, 32a) e.g. insulated gate bipolar transistors, which are connected in parallel to a part of a rectifier unit (26a).

IPC 8 full level
H05B 6/06 (2006.01)

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

Cited by
US2020196399A1; WO2016071824A1; WO2024056532A1

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

DOCDB simple family (publication)
EP 2582201 A1 20130417; EP 2582201 B1 20170419; ES 2628875 T3 20170804

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EP 12187782 A 20121009; ES 12187782 T 20121009