

Title (en)
Induction heating device

Title (de)
Induktionsheizvorrichtung

Title (fr)
Dispositif de chauffage à induction

Publication
EP 2506667 A3 20130123 (DE)

Application
EP 12158709 A 20120309

Priority
ES 201130479 A 20110329

Abstract (en)
[origin: EP2506667A2] The device (12a) has induction heating units (20a, 22a, 24a, 26a, 28a) in circular disk form and attached to a heating frequency unit (60a) i.e. electrical unit. A control unit (64a) i.e. electronic unit, operates two of the induction heating units in sections in operation mode. Two induction heating units form a common heating area (39a) and exhibit a common contact (94a). A resonance unit (50a) is directly connected with the common contact in operating condition. Switching elements (74a, 76a) e.g. relay, are arranged between the frequency unit and one of the heating units. The common contact is a contact point and directly connected to the induction units in any operating condition different from operating condition with defects. The heating area is an effective area of magnetic alternating fields. An independent claim is also included for a method for operating an induction heating device.

IPC 8 full level
H05B 6/06 (2006.01)

CPC (source: EP)
H05B 6/065 (2013.01)

Citation (search report)
• [X] WO 2010069616 A1 20100624 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
• [A] WO 2009056452 A1 20090507 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
• [A] WO 2008067999 A1 20080612 - EGO ELEKTRO GERAETEBAU GMBH [DE], et al

Cited by
EP2744300A1

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 2506667 A2 20121003; EP 2506667 A3 20130123; EP 2506667 B1 20161019; EP 2506667 B2 20231213; ES 2606530 T3 20170324;
ES 2606530 T5 20240627

DOCDB simple family (application)
EP 12158709 A 20120309; ES 12158709 T 20120309