

Title (en)
Induction heating device

Title (de)
Induktionsheizvorrichtung

Title (fr)
Dispositif de chauffage à induction

Publication
EP 2506667 B1 20161019 (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 (opposition)
Opponent : Whirlpool EMEA S.p.A.
• EP 0724379 A1 19960731 - MENEGHETTI AMPELIO STRAGLIOTTO [IT]
• EP 1951003 A1 20080730 - WHIRLPOOL CO [US], et al
• "Electromagnetic compatibility (EMC) - Part 3-3", IEC INTERNATIONAL STANDARD 61000-3-3 (EDITION 1.1), March 2002 (2002-03-01), XP055401968

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

DOCDB simple family (publication)
EP 2506667 A2 20121003; EP 2506667 A3 20130123; EP 2506667 B1 20161019; EP 2506667 B2 20231213; ES 2606530 T3 20170324

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EP 12158709 A 20120309; ES 12158709 T 20120309