

Title (en)  
DEVICE FOR INDUCTIVELY HEATING A HEATING ELEMENT

Title (de)  
VORRICHTUNG ZUR INDUKTIVEN ERWÄRMUNG EINES HEIZKÖRPERS

Title (fr)  
DISPOSITIF DE CHAUFFE PAR INDUCTION D'UN CORPS DE CHAUFFE

Publication  
**EP 2848088 A2 20150318 (DE)**

Application  
**EP 13721750 A 20130508**

Priority

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- EP 2013059640 W 20130508

Abstract (en)  
[origin: CN104272863A] The invention relates to a device for inductive heating of a heating element (4), in particular by means of the magnetic field generated (1) by an induction coil (2), the device is provided with an induction coil (2) which is connected to a resonant circuit (3), wherein the resonant circuit (3) includes at least one first capacitor (6) and at least a first power supply (9), and the induction coil (2) has a specific inductance (8) and a resistor (7) and the material of the heating element (4) has constant permeability at least in the local area of temperature.

IPC 8 full level  
**H05B 6/06** (2006.01); **H05B 6/10** (2006.01)

CPC (source: EP KR US)  
**G01K 7/36** (2013.01 - EP); **G01K 7/38** (2013.01 - EP); **H05B 6/06** (2013.01 - EP KR US); **H05B 6/105** (2013.01 - EP KR US); **H05B 2213/07** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2013167686A2

Citation (examination)

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