

Title (en)  
ELECTRONIC INDUCTION HEATING ARRANGEMENT

Publication  
**EP 0054445 B1 19850911 (FR)**

Application  
**EP 81401726 A 19811028**

Priority  
FR 8025847 A 19801205

Abstract (en)  
[origin: EP0054445A1] 1. Electronic induction heating device comprising an oscillating circuit made up of a capacitor and an inductance coil which performs the function of a primary winding, the secondary winding being constituted by the charge to be heated, this oscillating circuit being connected to the supply circuit via two electronic switches associated with a control circuit, a resistor and a capacitor being mounted in parallel with each of these switches, characterized in that the two electronic switches - for example two thyristors (7) - are associated with a control oscillator (10) which causes them to operate at the resonance frequency of the oscillating circuit (2-3) so as to open and close at the same time, these switches being designed to perform the function of impedances of very high value at the time of opening.

IPC 1-7  
**H05B 6/06**; **H05B 6/12**

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

CPC (source: EP)  
**H05B 6/06** (2013.01)

Cited by  
US5914066A; EP0269417A1; US6043470A; FR2712763A1; GB2197995A; GB2197995B; WO9524817A1; WO9522237A1; WO9514364A1

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**EP 0054445 A1 19820623**; **EP 0054445 B1 19850911**; AT E15576 T1 19850915; DE 3172256 D1 19851017; FR 2495876 A1 19820611; FR 2495876 B1 19850607

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