

Title (en)

Induction heating circuits for cooking appliances.

Title (de)

Induktionsheizkreise für Kochgeräte.

Title (fr)

Circuits de chauffage par induction pour la cuisson.

Publication

**EP 0269417 A1 19880601 (EN)**

Application

**EP 87310361 A 19871124**

Priority

GB 8628102 A 19861125

Abstract (en)

An induction heating circuit for a cooking appliance includes an inverter for powering a pan heating coil (L2) and a resonating capacitor (CR) at values determined by a gate turn off thyristor (VT1). A further semi-conductor switching device (VTS) is included to permit discharge of the resonating capacitor (CR) before the initiation of power input to the pan coil (L2).

IPC 1-7

**H05B 6/06; H05B 6/12**

IPC 8 full level

**H05B 6/06** (2006.01)

CPC (source: EP)

**H05B 6/06** (2013.01)

Citation (search report)

- US 4010342 A 19770301 - AUSTIN BUDDY JULIAN
- US 3781503 A 19731225 - HARNDEN J, et al
- DE 2504827 B2 19771124
- EP 0054445 A1 19820623 - SCHOLTES ETS EUGEN [FR]

Cited by

US8415594B2; WO2007042318A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

**EP 0269417 A1 19880601**; GB 2198296 A 19880608; GB 2198296 B 19900808; GB 8628102 D0 19861231

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**EP 87310361 A 19871124**; GB 8628102 A 19861125