

Title (en)

IMPROVEMENTS IN OR RELATING TO INDUCTION HEATING CIRCUITS FOR COOKING APPLIANCES

Publication

EP 0269415 A3 19890111 (EN)

Application

EP 87310359 A 19871124

Priority

GB 8628100 A 19861125

Abstract (en)

[origin: EP0269415A2] In an induction heating circuit for a cooking appliance, a pan sensing circuit (7) responds to current flow through a pan heating coil (L2) and inhibits the turning-on of a gate turn-off thyristor (VT1) controlling energisation of the pan coil (L2). In the event that the sensing circuit (7) indicates that a suitable utensil is located over the pan coil (L2), energisation of the latter is allowed, otherwise energisation is inhibited. An interrogation circuit (11) allows energisation at preset intervals during which sensing continues.

IPC 1-7

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

IPC 8 full level

H05B 6/06 (2006.01)

CPC (source: EP)

H05B 6/06 (2013.01)

Citation (search report)

- US 4210792 A 19800701 - FUJITA TAKASHI [JP], et al
- DE 3447865 A1 19860206 - TOSHIBA KAWASAKI KK [JP]
- DE 3445538 A1 19850627 - SANYO ELECTRIC CO [JP]

Designated contracting state (EPC)

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EP 0269415 A2 19880601; **EP 0269415 A3 19890111**; GB 2197999 A 19880602; GB 2197999 B 19910109; GB 8628100 D0 19861231

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