

Title (en)

Induction heating circuits for cooking appliances.

Title (de)

Induktionsheizschaltungen für Kochgeräte.

Title (fr)

Circuits pour le chauffage à induction des appareils de cuisson.

Publication

EP 0269414 A2 19880601 (EN)

Application

EP 87310358 A 19871124

Priority

GB 8628099 A 19861125

Abstract (en)

An induction heating circuit for a cooking appliance comprises an inverter for powering a pan coil (L2) at values determined by the periods of conduction of a gate turn-off thyristor (S1, VT1). A further inductance (L1) is inclined in series connection with the pan coil (L2) to reduce peak voltages developed during resonance in a resonant circuit including the pan coil (L2). To effect a reduction in the current flow when the thyristor (S1, VT1) is turned on, a snubber comprising a diode (D3) and another inductor (L3) is included.

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