

Title (en)

CIRCUIT FOR SUPPLYING POWER TO AN INDUTION HEATING COOKING APPARATUS

Publication

EP 0286044 B1 19911211 (DE)

Application

EP 88105358 A 19880402

Priority

DE 3712242 A 19870410

Abstract (en)

[origin: EP0286044A2] The current supply circuit uses a current source (G) supplied from the mains voltage (Ua) which is coupled to either or both of two inductive cooking plate (P1,P2) via respective relays (A,B). These are operated via a microprocessor (M) at the gas transition points of the mains voltage to prevent moustic noise. Pref. the opening of one relay and the closing of the other relay are effected within an interval of 1.2 M5 on either side of the zero transition point for the mains voltage. Alternate switching supplies both plates with a respective power lever under control of the microprocessor (M).

IPC 1-7

H05B 1/02; **H05B 6/06**; **H05B 6/12**

IPC 8 full level

H05B 6/12 (2006.01); **H05B 1/02** (2006.01); **H05B 6/06** (2006.01)

CPC (source: EP)

H05B 6/065 (2013.01)

Cited by

EP2200399A1; EP0844807A1; EP0817531A3; ES2201937A1; EP2214454A1; EP0724379A1; US5714739A; EP2200398A1; EP1951003A1; WO2008092476A1; USRE43263E; EP1951003B2

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EP 0286044 A2 19881012; **EP 0286044 A3 19890111**; **EP 0286044 B1 19911211**; AT E70399 T1 19911215; DE 3712242 A1 19881027; DE 3866751 D1 19920123; ES 2028923 T3 19920716; GR 3004028 T3 19930331; JP S63269478 A 19881107

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