

Title (en)

Method and circuit for controlling the temperature of AC operated heating apparatus

Title (de)

Verfahren und Schaltungsanordnung zur Temperaturregelung von mit Wechselstrom betriebenen Heizgeräten

Title (fr)

Procédé et circuit pour le contrôle de la température d'un appareil de chauffage à courant alternatif

Publication

EP 0629103 B1 19970910 (DE)

Application

EP 94104875 A 19940328

Priority

DE 4315488 A 19930510

Abstract (en)

[origin: EP0629103A2] The two-part heating element (1) is connected electrically in series and coupled thermally to a temp.-dependent switching element (2) associated with a preheating resistor (6) bridged by a first diode (7). This resistor has e.g. 20 times the resistance of the heating element and its current is switched or varied by the set-point combination (3) of a second diode (8) conducting in the same direction and a bridging switch (9). When the second diode is bridged, the resistor becomes heated and the switching element is opened earlier than when the diode is operative.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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EP 0629103 A2 19941214; **EP 0629103 A3 19950111**; **EP 0629103 B1 19970910**; AT E158133 T1 19970915; DE 4315488 A1 19941117; DE 4315488 C2 19980212; DK 0629103 T3 19980420; ES 2106395 T3 19971101

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