

Title (en)

Temperature limiting device in glass-ceramic plate

Title (de)

Einrichtung zur Temperaturbegrenzung eines Glaskeramikfeldes

Title (fr)

Dispositif de limitation de température dans le cas d'une plaque vitrocéramique

Publication

**EP 0967840 B1 20060308 (DE)**

Application

**EP 99111237 A 19990609**

Priority

DE 19828052 A 19980624

Abstract (en)

[origin: EP0967840A2] The arrangement includes a control (10) which controls a pulse-width control (11,12) with clocked relays. An additional module (20) is connected with a signal processing circuit (21) with temperature sensors (33, 34), supplying temperature signals to a signal evaluation circuit (13) which blocks a heating current supply to a cooking point at reaching a maximum temperature value. If the temperature still rises after reaching the maximum temperature value, a main relay (23) connected in series in the heating current circuit of the cooking field control is opened. The evaluation circuit compares the temperature signals constantly with a maximum temperature value, and which blocks a heating current supply to the concerned cooking point through opening of the relays. The signal processing circuit of the additional module determines if the temperature still rises after reaching the maximum temperature value, and opens a main relay (23) connected in series in the heating current circuit of the cooking field control accordingly.

IPC 8 full level

**H05B 3/74** (2006.01)

CPC (source: EP US)

**H05B 3/746** (2013.01 - EP US); **H05B 2213/04** (2013.01 - EP US); **H05B 2213/07** (2013.01 - EP US)

Cited by

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DE ES FR GB IT

DOCDB simple family (publication)

**EP 0967840 A2 19991229**; **EP 0967840 A3 20011114**; **EP 0967840 B1 20060308**; DE 19828052 A1 19991230; DE 59913188 D1 20060504; ES 2258304 T3 20060816; US 6124576 A 20000926

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**EP 99111237 A 19990609**; DE 19828052 A 19980624; DE 59913188 T 19990609; ES 99111237 T 19990609; US 33654599 A 19990616