

Title (en)
Thermal switch.

Title (de)
Temperaturschalter.

Title (fr)
Commutateur thermique.

Publication
EP 0348716 B1 19950201 (DE)

Application
EP 89110509 A 19890610

Priority
• DE 3821495 A 19880625
• DE 3821496 A 19880625

Abstract (en)
[origin: EP0348716A2] A thermal switch, serving especially as a temperature limiter for a radiant heating body (11) for heating a glass-ceramic plate (12), has radiant heaters (13, 14). Its bar-shaped temperature sensor (20) has an expansion bar (24) which is located in a tube (25) serving as a reference and which can consist of a chromium/iron/aluminium alloy and is heat-treated above 1100 DEG C. The tube (25) can consist of a radiation-absorbing material or is coated with such, for example cordierite, non-transmissive glass ceramic or vitreous silica. Both measures ensure that the thermal switch has an increased switching amplitude and therefore a reduced switching frequency. <IMAGE>

IPC 1-7
H05B 1/02; **H05B 3/74**

IPC 8 full level
H05B 1/02 (2006.01); **H05B 3/74** (2006.01); **H01H 37/48** (2006.01)

CPC (source: EP US)
H05B 1/0216 (2013.01 - EP US); **H05B 3/742** (2013.01 - EP US); **H01H 37/48** (2013.01 - EP US)

Cited by
EP0416335A1; US5113170A

Designated contracting state (EPC)
AT CH DE ES FR GB GR IT LI SE

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EP 0348716 A2 19900103; **EP 0348716 A3 19910403**; **EP 0348716 B1 19950201**; AT E118144 T1 19950215; DE 58908957 D1 19950316; ES 2066805 T3 19950316; US 5055819 A 19911008

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EP 89110509 A 19890610; AT 89110509 T 19890610; DE 58908957 T 19890610; ES 89110509 T 19890610; US 62623790 A 19901212