

Title (en)  
THERMAL SWITCH

Publication  
**EP 0348716 A3 19910403 (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)

Citation (search report)  
• [X] GB 2192279 A 19880106 - MICROPORE INTERNATIONAL LTD  
• [X] DE 3440156 A1 19850515 - ELECTROVAC [AT]  
• [E] DE 3817113 A1 19891130 - EGO ELEKTRO BLANC & FISCHER [DE]  
• [A] DE 2839161 A1 19800320 - EGO REGELTECH  
• [AD] US 3926648 A 19751216 - MILLER DAVID M

Cited by  
EP0416335A1; US5113170A

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

DOCDB simple family (publication)  
**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

DOCDB simple family (application)  
**EP 89110509 A 19890610**; AT 89110509 T 19890610; DE 58908957 T 19890610; ES 89110509 T 19890610; US 62623790 A 19901212