

Title (en)  
ELECTRIC TUBULAR HEATING ELEMENT COMPRISING A TEMPERATURE CONTROLLER THEREFOR

Title (de)  
ELEKTRISCHER ROHRHEIZKÖRPER MIT EINER TEMPERATURKONTROLLEINRICHTUNG

Title (fr)  
ELEMENT DE CHAUFFAGE ELECTRIQUE TUBULAIRE AVEC UN REGULATEUR DE TEMPERATURE

Publication  
**EP 0573430 B1 19980520 (EN)**

Application  
**EP 91918628 A 19911023**

Priority  
• SE 9100710 W 19911023  
• SE 9003405 A 19901025

Abstract (en)  
[origin: WO9208331A1] An electric tubular heating element comprises a tubular metal casing provided with electric terminals at either one of both ends for a coil of resistance wire surrounded by an insulating material. The coil extends through the metal casing between the terminals. A temperature controller is, via an inner terminal (7), connected to a first of the terminals of the tubular heating element and has an outer terminal (8) thus forming a terminal of the tubular heating element. The temperature controller comprises an insulating sleeve (13), the inner terminal (7) being provided at the inner end of the sleeve and the outer terminal (8) being provided at the outer end of the sleeve; a bimetal switch (18, 21) which, when in closed position, interconnects the inner and the outer terminal; and a resistor element (19) connected in parallel with the bimetal switch and having such a resistance that the heat generated by the resistor element when the bimetal switch is open, is sufficient to maintain the switch in the open position.

IPC 1-7  
**H05B 1/02**; H05B 3/48; H01H 37/74

IPC 8 full level  
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CPC (source: EP)  
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**WO 9208331 A1 19920514**; AT E166519 T1 19980615; DE 69129468 D1 19980625; DE 69129468 T2 19981126; EP 0573430 A1 19931215; EP 0573430 B1 19980520; FI 931851 A0 19930423; FI 931851 A 19930617; SE 9003405 D0 19901025

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