

Title (en)  
PTC-HEATING RESISTOR

Publication  
**EP 0262243 B1 19910220 (DE)**

Application  
**EP 86113472 A 19861001**

Priority  
EP 86113472 A 19861001

Abstract (en)  
[origin: US4814584A] A PTC heater for heating a tubular member includes an elongated profiled carrier body of heat conductive material having a first side provided with a flat support surface having a groove substantially perpendicular thereto extending along opposite longitudinal edges thereof and a second side provided with a channel of semi-circular cross-section for engaging the tubular member. A PTC heater element comprising a plurality of PTC resistance elements disposed between a pair of plate electrodes is positioned on the flat support surface in heat transmitting contact therewith and is covered by an elongate heat conductive cover member in flat surface engagement with the other side of the PTC heater element and provided with longitudinal rim portions closely fitted into the grooves. A U-shaped straddle clamping bracket having legs snap-fittingly anchored to the carrier body presses the cover toward the PTC heater element and carrier body. The profiled body may be provided with a pair of support surfaces disposed at an angle and each supporting a PTC heater element covered by a cover member as described above.

IPC 1-7  
**H05B 3/14**

IPC 8 full level  
**H05B 3/14** (2006.01)

CPC (source: EP US)  
**H05B 3/14** (2013.01 - EP US)

Cited by  
EP3723448A1; DE4404345B4; GB2256352A; GB2256352B; FR2634090A1; EP0333906A1; EP1557601A1; DE102018212012A1; CN104509205A; IT201800004614A1; DE102018220333A1; CN111225459A; USD1040977S; US8229289B2; DE102018122436B4; WO2018145811A1; DE102018220333B4; WO2014009013A3; EP2873296B1

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