

Title (en)

Heating arrangement using a P.T.C. resistance.

Title (de)

Kaltleiter-Heizeinrichtung.

Title (fr)

Dispositif de chauffage utilisant une résistance C.T.P.

Publication

EP 0026456 A2 19810408 (DE)

Application

EP 80105755 A 19800924

Priority

DE 2939470 A 19790928

Abstract (en)

[origin: ES8105915A1] A heating device has a PTC resistor plate as the heating element and is covered with an insulating body. Between the heating element and the insulating body, on each of opposite surfaces of the heating element, ductile metal layers, preferably aluminum, are provided under a permanent pressure of at least 0.3×10^8 Pa, the layers being designed as current supply electrodes having electrical terminals. The resistor plate may advantageously have a surface roughness in the magnitude of 100 μ m.

Abstract (de)

Kaltleiter-Heizelement ohne Metallisierung der im Betriebszustand als elektrische Kontaktflächen dienenden Oberflächen des Kaltleiterkörpers (1), wobei der elektrische Kontakt im eingebauten Zustand des Heizelements durch mit permanent aufrechtzuerhaltendem Druck angepreßte Metallkontakte (4, 5) erzeugt ist.

IPC 1-7

H05B 3/06; H05B 3/14

IPC 8 full level

H01C 1/14 (2006.01); **H05B 3/06** (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP US)

H01C 1/1406 (2013.01 - EP US); **H05B 3/06** (2013.01 - EP US); **H05B 3/14** (2013.01 - EP US); **H05B 2203/02** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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EP 0026456 A2 19810408; **EP 0026456 A3 19810415**; DE 2939470 A1 19810402; DE 2939470 C2 19820408; ES 495392 A0 19810616; ES 8105915 A1 19810616; JP S5657288 A 19810519; US 4331861 A 19820525

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