

Title (en)
Tubular heating element.

Title (de)
Rohrheizkörper.

Title (fr)
Élément chauffant tubulaire.

Publication
EP 0010275 A1 19800430 (DE)

Application
EP 79103944 A 19791012

Priority
DE 2844714 A 19781013

Abstract (en)
1. A tubular heater having a heating coil (3) embedded in insulating material (2) within a tubular jacket (1) of deformable metal, the terminals of said heating coil being connected to terminal bolts (4) having a bolt portion of greater diameter embedded in insulating material (2) and a bolt portion of lesser diameter passing through an insulating bead inserted at the end face of the tubular jacket (1) and mechanically supported by said tubular jacket, characterized by the combination of features that - the insulating bead (5) is formed with a stepped diameter and the portion of the insulating bead (5) having the greater diameter is held pressed between two constrictions or indentations (7) of the tubular jacket (1), - the portion of the terminal bolt (4) projecting from the insulating bead (5) is provided with a pressure-flattened portion holding the insulating bead (5) pressed in the direction of the inner side of said tubular heater, - the insulating material (2) is impregnated in known manner with a silicone oil or the like.

Abstract (de)
Rohrheizkörper, bei dem in einem Mantelrohr (1) aus verformbarem Metall eine Heizwendel (3) in Isoliermaterial (2) eingebettet ist, die an den Anschlußenden mit Anschlußbolzen (4) verbunden ist und bei dem die Anschlußbolzen (4) durch in die Stirnenden des Mantelrohres (1) eingesetzte Isolierperlen (5) hindurchgeführt sind, wobei für die Isolierperle (5) eine vom Rohrheizkörper selbst gebildete mechanische Halterung (7) vorgesehen ist und das Isoliermaterial (2) mit einem Siliconöl oder dgl. durchtränkt ist.

IPC 1-7
H05B 3/48; **F24H 9/18**

IPC 8 full level
F24H 9/18 (2006.01); **H05B 3/48** (2006.01)

CPC (source: EP)
H05B 3/48 (2013.01)

Citation (search report)
• DE 1615424 A1 19700604 - SIEMENS ELEKTROGERAETE GMBH
• DE 2410451 A1 19750911 - EICHENAUER FA FRITZ
• DE 2531529 A1 19770224 - STIEBEL ELTRON GMBH & CO KG
• US 2046102 A 19360630 - ABBOTT CHARLES C
• FR 803095 A 19360922

Cited by
EP0157182A1; EP0858084A1; EP0086465A1

Designated contracting state (EPC)
AT BE CH FR GB IT LU NL SE

DOCDB simple family (publication)
EP 0010275 A1 19800430; **EP 0010275 B1 19810610**; AT E82 T1 19810615; DE 2844714 A1 19800424; DE 7830574 U1 19830728

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EP 79103944 A 19791012; AT 79103944 T 19791012; DE 2844714 A 19781013; DE 7830574 U 19781013