

Title (en)  
Method of producing heating elements

Title (de)  
Verfahren zur Herstellung von Heizelementen

Title (fr)  
Procédé de fabrication d'éléments chauffants

Publication  
**EP 1296539 B1 20051123 (FR)**

Application  
**EP 02356172 A 20020913**

Priority  
FR 0112184 A 20010921

Abstract (en)  
[origin: EP1296539A1] Fabrication of heating element (1) from metal tube (2) consists of assembling resistance wire (4) and two connection terminals (6) inside tube, filling tube with magnesia (8), followed by compacting and high temperature firing operation. During cooling, the end (18) of the tube is plugged by resin (10) in contact with the magnesia. The resin is then partially polymerized leaving resin temporarily in intermediate gel form. Fabrication of a heating element (1) from a metal tube (2) consists of putting together an assembly of a resistance wire (4) and two connection terminals (6) inside the tube, filling the tube with magnesia (8), followed by a compacting operation and a high temperature firing operation. After firing and during cooling, the end (18) of the tube is plugged by a resin (10) in contact with the magnesia. The resin is then polymerized prior to the shaping of the tube, The polymerization is left incomplete and so leaves the resin temporarily in an intermediate gel form.

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CPC (source: EP)  
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