

Title (en)  
ELECTRIC WIRE HEATING ELEMENT AND METHOD OF MAKING IT

Publication  
**EP 0104344 B1 19870401 (DE)**

Application  
**EP 83107098 A 19830720**

Priority  
DE 3232291 A 19820831

Abstract (en)  
[origin: EP0104344A1] 1. A method of producing an electrical wire heating element for heating a stream of air (B) flowing round the wire heating element, having an element former receiving a heating conductor winding and consisting of a plurality of supporting plates (1, 2, 3, 4) of heat-resistant insulating material of the same shape and edge length disposed in the form of a cross or a star in relation to one another, having a heating conductor (5) in the form of wire which is wound on the supporting plates (1, 2, 3, 4) and is constructed in meandering or zigzag form or in the form of a wave band and which is in contact with radially external edges of the supporting plates (1, 2, 3, 4), wherein the next supporting plate in each case in the direction of winding A is disposed displaced by an amount (a1) in the longitudinal direction of the stream of air (B) in relation to the particular supporting plate disposed in front of it, characterised in that, after being wound with the heating conductor (5), the supporting plates (2, 3, 4) are displaced in the longitudinal direction in relation to one another until their edges (6, 7, 8, 9) facing the stream of air lie in one plane.

IPC 1-7  
**H05B 3/16**; F24H 3/04; A47K 10/48; A45D 20/08

IPC 8 full level  
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