

Title (en)  
HEATING ELEMENT FOR ELECTRIC HOT PLATES AND METHOD FOR PRODUCING SUCH A HEATING ELEMENT

Title (de)  
HEIZELEMENT FÜR ELEKTRISCHE HEIZPLATTEN UND VERFAHREN ZUR HERSTELLUNG EINES DERARTIGEN HEIZELEMENTS

Title (fr)  
ELEMENT CHAUFFANT POUR PLAQUES CHAUFFANTES ET PROCEDE DE PRODUCTION D'UN ELEMENT CHAUFFANT DE CE TYPE

Publication  
**EP 1678985 B1 20070404 (DE)**

Application  
**EP 04761017 A 20040825**

Priority

- AT 2004000293 W 20040825
- AT 17092003 A 20031028

Abstract (en)  
[origin: WO2005043956A1] The invention relates to a heating element for electric hot plates, particularly for glass ceramic plates, which is provided in the form of elongated strips (1) having a length LR, a height hR and a thickness sR, is made of an electrically conductive material having a specific resistance PR, and which, when in an operational position, is placed on end on a thermally insulating support. The strip (1) has, on the side facing the support, tabs (3) having a height hS and a width bS, which intermesh with the support by a meshing depth e of a portion of the height hS. Gaps (4) having a height hS and a width bF are formed between said tabs (3) and create aerating gaps over the distance height hS minus the meshing depth e. In order to obtain a predetermined resistance RN corresponding to a desired nominal output PN of the heating element, the height hR of the strip (1) is dimensioned according to the resistance RT with regard to a defined measurement length Lm and/or according to the average thickness sm of the strip.

IPC 8 full level  
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**DE 20317994 U1 20040212**; AT 413622 B 20060415; AT A17092003 A 20050815; DE 502004003428 D1 20070516; EP 1678985 A1 20060712; EP 1678985 B1 20070404; ES 2284040 T3 20071101; PL 1678985 T3 20070831; WO 2005043956 A1 20050512

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