

Title (en)
IMPROVEMENTS RELATING TO HEATING ELEMENTS, PARTICULARLY IN THE FIELD OF THICK FILM HEATING ELEMENTS

Title (de)
VERBESSERUNGEN FÜR HEIZELEMENTE, INSBESONDERE FÜR DICKSCHICHTHEIZELEMENTE

Title (fr)
AMELIORATIONS APPORTEES A DES ELEMENTS CHAUFFANTS, NOTAMMENT DANS LE DOMAINE DES ELEMENTS CHAUFFANTS EN COUCHE EPAISSE

Publication
EP 1177708 B1 20051123 (EN)

Application
EP 00927490 A 20000504

Priority
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• GB 9910286 A 19990504

Abstract (en)
[origin: WO0067527A1] A thick film heating element for a water boiling vessel is secured to the bottom of the vessel with a heat dispersion layer of copper or aluminium between the vessel bottom and the thick film heating element and extending laterally beyond the edges of the thick film heating element. The thick film heating element is about half the size of a conventional thick film heating element (about 60mm as compared to 110mm) with a corresponding cost reduction, and has at least twice as high a power density (60W/cm<2>) as compared to 30W/cm<2>) and yet does not generate excessive noise in operation.

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