

Title (en)

Radiant electric heater and method of manufacture

Title (de)

Elektrischer Strahlungsheizkörper und Herstellungsverfahren

Title (fr)

Appareil de chauffage électrique par radiations et sa méthode de fabrication

Publication

EP 1045616 B1 20061227 (EN)

Application

EP 00302846 A 20000404

Priority

GB 9908609 A 19990416

Abstract (en)

[origin: EP1045616A2] A radiant electric heater (1) comprises a heating element (5) in the form of a geometrical pattern separated from a metal foil and overlying a base (3) of thermal and electrical insulation material. The pattern includes a plurality of strips (6) in lateral spaced disposition traversing the heater (1) and each having a width considerably greater than its thickness. The strips (6) each have a major face facing the base (3) and are formed with undulations providing alternating peaks (7) and troughs (8). For any strip, the peaks (7) of the undulations are substantially laterally aligned with troughs (8) of the undulations in an adjacent strip. The heating element (5) is arranged with peaks (7) of the undulations in the strip (6) supported on protrusions (4) provided on the base (3). <IMAGE>

IPC 8 full level

H05B 3/74 (2006.01)

CPC (source: EP)

H05B 3/748 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1045616 A2 20001018; EP 1045616 A3 20011024; EP 1045616 B1 20061227; AT E349878 T1 20070115; DE 60032539 D1 20070208; DE 60032539 T2 20071004; ES 2278579 T3 20070816; GB 2349059 A 20001018; GB 2349059 B 20030716; GB 9908609 D0 19990609

DOCDB simple family (application)

EP 00302846 A 20000404; AT 00302846 T 20000404; DE 60032539 T 20000404; ES 00302846 T 20000404; GB 9908609 A 19990416