

Title (en)
Heating apparatus.

Title (de)
Heizapparat.

Title (fr)
Appareil de chauffage.

Publication
EP 0131372 A1 19850116 (EN)

Application
EP 84303729 A 19840604

Priority
• GB 8316304 A 19830615
• GB 8316306 A 19830615

Abstract (en)
Heating apparatus includes a tray (1) having a layer (2) of insulative material disposed therewithin, above which a number of infra-red lamps (7) are supported. The ends of each lamp (7) are provided with a pinch seal (12) having an amp tag connector (14), which is connected to the respective end of a filament (9) within the lamp (7), sealed therein. Each pinch seal (12) is enclosed within a ceramic housing (10) and the heating apparatus is mounted beneath a layer of glass ceramic (25). A plate (15) of heat-conductive material is intimately disposed between the top surface of one or more of the ceramic housings (10) and the under surface of the glass ceramic (25), so as to encourage heat from the pinch seals (12) to conduct in an upward direction towards the glass ceramic (25). In another embodiment, a heat conductive stud (22) is intimately disposed between the glass ceramic layer (25) and the pinch seal (12), via an aperture (27) in the housing (24).

IPC 1-7
H05B 3/68; F24C 7/06; H05B 3/74

IPC 8 full level
H05B 3/06 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)
H05B 3/06 (2013.01); **H05B 3/744** (2013.01)

Citation (search report)
• US 3355574 A 19671128 - BASSETT JR ARTHUR T
• GB 1282656 A 19720719 - THERMO ELECTRON CORP [US]

Cited by
DE3503649A1; EP2259659A4

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0131372 A1 19850116; **EP 0131372 B1 19890531**; DE 3478559 D1 19890706

DOCDB simple family (application)
EP 84303729 A 19840604; DE 3478559 T 19840604