

Title (en)  
HEATING APPARATUS

Publication  
**EP 0129344 B1 19880824 (EN)**

Application  
**EP 84303424 A 19840521**

Priority  
GB 8314451 A 19830525

Abstract (en)  
[origin: EP0129344A1] Heating apparatus consists of a generally circular tray 1 containing a layer 2 of insulative material and a number of infra-red lamps 3. Each infra-red lamp 3 comprises a tungsten filaments supported within a tubular quartz envelope 4 and a pinch seal 15 is formed, at least at one end of the envelope 4, having an electrical connector 22 sealed therein. The pinch seal 15 is housed within a ceramic 16 and supported by a flange 17 or 18. To cool the pinch seals 15, apertures 19, 20 are provided in the housing 16 and/or the supporting flanges 17 or 18 to permit dissipation of heat from within the housing 16 to the ambient environment of the apparatus. Apertures may also be provided in a carrier plate 8, which indirectly supports the housing 16.

IPC 1-7  
**H05B 3/68**; **F24C 7/06**; **F24C 15/10**

IPC 8 full level  
**F24C 7/06** (2006.01); **F24C 15/10** (2006.01); **H05B 3/68** (2006.01); **H05B 3/74** (2006.01)

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

Citation (examination)  

- EP 0117346 A2 19840905 - THORN EMI DOMESTIC APPLIANCES [GB]
- EP 0132888 A1 19850213 - THORN EMI DOMESTIC APPLIANCES [GB]
- EP 0149267 A2 19850724 - THORN EMI DOMESTIC APPLIANCES [GB]
- EP 0120639 A2 19841003 - EMI PLC THORN [GB]
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- "Lamps and Lightning", S.T. Henderson; A.M. Marsden, second edition, 1972 (reprinted 1975), page 198.

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