

Title (en)

High manufacturable and high performance structure of electric heater

Title (de)

Effizient herstellbares Hochleistungs-Heizelement

Title (fr)

Corps de chauffe électrique à haute performance et de fabrication efficace

Publication

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Application

EP 04021604 A 20040910

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- JP 2003318830 A 20030910
- JP 2003318828 A 20030910
- JP 2003318831 A 20030910
- JP 2003318832 A 20030910
- JP 2004193538 A 20040630
- JP 2004193537 A 20040630

Abstract (en)

[origin: EP1515588A1] A highly manufacturable and high performance structure of an electric heater is provided which includes a heater assembly, retainer frames, and spring clamps. The retainer frames are placed on an upper and a lower end surfaces of the heater assembly. The spring clamps are fitted in the retainer frames to produce compression pressures which clamp the heater assembly firmly to complete the structure of the electric heater. The use of the spring clamps facilitate ease of assembling of the electric heater without sacrificing the performance of the electric heater. <IMAGE>

IPC 8 full level

H05B 3/14 (2006.01); **F24H 3/04** (2006.01); **H05B 3/50** (2006.01)

CPC (source: EP)

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Cited by

DE102009025474C5; EP1972474A1; DE102009025474B4; FR3062898A1; EP2428746A1; CN102434968A; FR3101510A1; FR3032588A1; CN107208930A; US7777161B2; US7576305B2; EP2109345A1; WO2016128400A1; WO2018150126A1; CN104640246A; CN106545913A; EP3557155A1; US7676144B2; EP1916874A2; US9915441B2; EP2428746B1

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