

Title (en)
ELECTRIC HEATERS

Title (de)
ELEKTRISCHE HEIZELEMENTE

Title (fr)
DISPOSITIF DE CHAUFFAGE

Publication
EP 1064826 A2 20010103 (EN)

Application
EP 99910505 A 19990317

Priority
• GB 9900808 W 19990317
• GB 9805751 A 19980317

Abstract (en)
[origin: WO9948333A2] An integrated heater and control assembly comprises an electric heater (200) having a resistive heating track (202) provided on an insulating substrate and a thermally sensitive control for the heater built onto the heater. In particular, supports (212a, 212b) for trip levers (230a, 230b) are bonded to the substrate. Trip lever (212b) is operated both by a boiling sensitive actuator (234) and an overheat protection actuator (268) while trip lever (212a) is acted on by the actuator (268) alone. Both trip levers (230a, 230b) are also acted on by bobweights (250a, 250b) which are responsive to movement of the vessel to switch the heater on. Power connection terminals (220, 222, 224) and a mounting flange (300) are also mounted directly onto the heater.

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H05B 3/82; **H05B 1/02**; **A47J 27/21**

IPC 8 full level
A47J 27/21 (2006.01); **H05B 1/02** (2006.01); **H05B 3/82** (2006.01)

CPC (source: EP)
A47J 27/21041 (2013.01); **A47J 27/2105** (2013.01); **H05B 1/0213** (2013.01); **H05B 3/82** (2013.01)

Citation (search report)
See references of WO 9948333A2

Citation (third parties)
Third party :
• EP 0869699 A2 19981007 - SHEATHED HEATING ELEMENTS LTD [GB]
• GB 2222025 A 19900221 - STRIX LTD
• GB 2291325 A 19960117 - PIFCO LTD [GB]
• EP 0485211 A1 19920513 - IST LAB LTD [GB]
• GB 2272226 A 19940511 - IST LAB LTD [GB]
• WO 9526176 A1 19951005 - PIFCO LTD [GB], et al

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WO0230156A1

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
WO 9948333 A2 19990923; **WO 9948333 A3 19991111**; AU 2944399 A 19991011; CN 1148999 C 20040505; CN 1292986 A 20010425; EP 1064826 A2 20010103; GB 0021770 D0 20001018; GB 2352605 A 20010131; GB 2352605 B 20021113; GB 9805751 D0 19980513; RU 2000124348 A 20020910

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GB 9900808 W 19990317; AU 2944399 A 19990317; CN 99803814 A 19990317; EP 99910505 A 19990317; GB 0021770 A 19990317; GB 9805751 A 19980317; RU 2000124348 A 19990317