

Title (en)

IMPROVEMENTS RELATING TO WATER HEATING VESSELS

Title (de)

VERBESSERUNGEN, DIE SICH AUF WASSERERHITZUNGSBEHÄLTER BEZIEHEN

Title (fr)

PERFECTIONNEMENTS RELATIFS AUX RECIPIENTS DE CHAUFFAGE D'EAU

Publication

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Application

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Abstract (en)

[origin: WO0106334A1] A water boiling vessel has a thick film heating element (3) provided with a bimetallic overtemperature protection control for switching off the heating element if it overheats, for example because the vessel is switched on empty and, to enable the vessel selectively to be operated to produce hot water at a selected temperature lower than boiling, an auxiliary heater (11) is provided on the thick film heating element in the region thereof to which the bimetallic control is responsive and a resistive track is connected in series with the auxiliary heater and is contactable selectively along its length so as to vary its effective resistance and thereby vary the current through the auxiliary heater. The auxiliary heater increases the heating of the bimetallic control above that normally received in operation of the vessel so that it operates at a lower temperature than it normally would, thereby switching off the vessel prematurely before it had time to boil. Also disclosed is an integrated 360 DEG cordless appliance inlet connector and dry boil control which includes a means to connect selectively to the resistive track.

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