

Title (en)
IMPROVEMENTS RELATING TO THERMAL CONTROLS

Title (de)
VERBESSERTE TEMPERATURREGULIERUNGEN

Title (fr)
AMELIORATION DE COMMANDES THERMIQUES

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Application
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Abstract (en)
[origin: GB2347271A] A steam control for switching off the heating element of a water boiling vessel comprises a snap-acting bimetal 16 arranged to determine the condition of an overcentre mechanism via a push-rod 11. The overcentre mechanism comprises a trip lever 3 and a stressed spring 2 arranged mechanically in series between spaced-apart abutment (4, 5, Fig. 1). To avoid loading the bimetal by the push-rod and the overcentre mechanism as the bimetal approaches its operating temperature, the push-rod is made relatively short so that it does not apply force to the overcentre mechanism, and correspondingly load the bimetal, until after the bimetal itself has moved overcentre. The trip lever is movable for resetting the bimetal beyond its normal cold condition rest position against spring bias, the additional trip lever movement providing additional movement to the push-rod for resetting the bimetal.

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