

Title (en)
Control method of thermostatic system

Title (de)
Steuerungsverfahren eines thermostatischen Systemes

Title (fr)
Procédé de commande d'un système thermostatique

Publication
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Application
EP 00118910 A 20000831

Priority
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Abstract (en)
The present invention proposes a control method of a thermostatic system, especially a control method of a first and a second electromagnetic valves of a thermostatic system of a water heater. When gas outflow output to a main stove is too large, the first electromagnetic valve is controlled to be open and the second electromagnetic valve is controlled to be close. Gas will be transferred via the first gas room to the second gas room. The control of gas charge of the second gas room is thus performed so as to decrease the open degree of the first gas outlet used to output gas to the main stove, hence decreasing gas outflow. When gas outflow output to the main stove is too small, the first electromagnetic valve is controlled to be close and the second electromagnetic valve is controlled to be open. Therefore, gas can not be transferred to the second gas room, and gas in the second gas room can be output via the second gas outlet used to output gas to a pilot flame. The control of gas discharge of the second gas room is thus performed so as to increase the open degree of the first gas outlet, hence increasing gas outflow. The control of gas charge and discharge of the second gas room is performed by controlling the two electromagnetic valves so as to exactly control gas outflow of the first gas outlet. Thermostatic control of the water heater can thus be achieved. <IMAGE>

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Citation (search report)
• [Y] DE 29904815 U1 19990512 - HUANG CHUN CHENG [TW]
• [Y] US 5020771 A 19910604 - NAKATSUKASA KEIICHIROH [JP], et al

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