

Title (en)

Domestic hot water producing system with a gas heater and method for controlling the temperature of the domestic hot water in such a system

Title (de)

Gasbeheizte Brauchwasserheizanlage und Verfahren zur Regelung der Brauchwassertemperatur in solcher Anlage

Title (fr)

Installation de production d'eau chaude sanitaire par chaudière à gaz et procédé de régulation de la température d'eau chaude sanitaire dans une telle installation

Publication

EP 0781965 B1 20011010 (FR)

Application

EP 96402520 A 19961122

Priority

FR 9514216 A 19951201

Abstract (en)

[origin: EP0781965A1] The hot water system includes a device (40) measuring the flow (Qecs) of sanitary hot water in the circuit (11,14), and a further device (30) measuring the temperature (Ts) of this water at the output of the heat exchanger (13). A control system (100) controls the modulation valve (20) in response to the detected temperature and a reference temperature (Tc). A module (103) providing proportional control action adjusts the valve (Qecs) adjusting the pulsed flow of gas to the burner, thus providing a continuously adjusted and controlled burner output in response to the measured conditions. The proportional action operates according to a control formula taking account of the flow and temperature measurements, and the known characteristics of the boiler.

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F23N 1/08

IPC 8 full level

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CPC (source: EP)

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