

Title (en)
HEATING SYSTEM AND METHOD FOR OPERATING A HEATING SYSTEM

Title (de)
HEIZUNGSANLAGE UND VERFAHREN ZUM BETRIEB EINER HEIZUNGSANLAGE

Title (fr)
INSTALLATION DE CHAUFFAGE ET PROCÉDÉ DE FONCTIONNEMENT D'UNE INSTALLATION DE CHAUFFAGE

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EP 11706564 A 20110301

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Abstract (en)
[origin: WO2011107464A2] The invention relates to a heating system and to a method for operating such a heating system in a building with multiple heating surfaces, in particular a heating system with a heat generator. The heating system for a building with multiple heating surfaces (5a, b, c) comprises at least one heat generator (1); a circulating pump (2); a central regulator for detecting the operating states of the heat generator and for detecting the required operating parameters, such as the flow temperature and/or return temperature of the heating surfaces; control elements (6a, b, c); flow and return lines (VL, RL) for the fluidic connection between the heat generator and the heating surfaces in a cycle; and at least one room regulating device that acts on the control elements. The heating surfaces (5a, b, c) can be used as buffer stores for the heat generator (1). The control elements (6a, b, c) of the heating surfaces allow switching the flow direction of the heating surfaces, and a bypass line (3) branches from the central return line (RL) upstream of the inlet into the heat generator (1), said bypass line being fluidically connected to a switching valve (4), which lies in the flow line (VL) that leads away from the heat generator (1), in order to bypass the heat generator (1).

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