Title (en)
HEATING SYSTEM, METHOD FOR OPERATING A HEATING SYSTEM AND USE THEREOF

Title (de)
HEIZUNGSSYSTEM, VERFAHREN ZUM BETREIBEN EINES HEIZUNGSSYSTEMS UND VERWENDUNG

Title (fr)
SYSTEME DE CHAUFFAGE, PROCEDE POUR FAIRE FONCTIONNER UN SYSTEME DE CHAUFFAGE ET UTILISATION D'UN TEL SYSTEME

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Abstract (en)
[origin: WO03071193A2] The invention relates to a heating system for generating and distributing thermal energy, comprising one or more circulation systems for distributing the heat, heating circuits for generating heat and at least one storage element (14). For economical storage of large amounts of heat and in order to improve the efficiency of the system, the heating system is dependent on a level of fluid and the circulation systems, e.g. for heating (23-29), storage connection, domestic water heating (26, 30-32), after-heating, heat exchange, storage collectors (5, 7-10), heating boiler (33-38), heating pumps, procurement of heat and cooling, are connected directly to the storage element (14), whereby the storage fluid is used directly by the circulation systems. Supply devices, such as filling devices (26, 30) or (34) or devices increasing the level of fluid, introduce the fluid into the circulation system before circulation and/or supply devices keep the fluid in the circulation system and/or the circulation systems dependent on the level of fluid are provided with a emergency filling device (31, 33). The invention also relates to a method for operating a heating system and to the use thereof.

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