

Title (en)

STORAGE HEAT EXCHANGER, RELATED OPERATING METHODS AND USE

Title (de)

SPEICHERWÄRMETAUSCHER, VERFAHREN ZUM BETREIBEN UND VERWENDUNG

Title (fr)

ECHANGEUR THERMIQUE A ACCUMULATION, PROCEDES DE FONCTIONNEMENT ET UTILISATION ASSOCIES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004046632A1] The invention concerns a storage heat exchanger forming part of heating systems installed inside and/or against buildings and/or premises, the heat being generated and/or produced by regeneration sources, and/or combustion material sources, and/or sources arranged inside and/or against buildings and/or premises, and/or sources located at a distance and/or proximate. In at least one exchanger of the invention, the heat is stored in the heating system by means of at least one storage medium such as a fluid (4) and or phase-change (3) chemical medium. The heat is absorbed and/or diffused for at least a certain time interval through at least one barrier of heat storage media and/or at least a medium container (34) and/or a medium housing. Such a system is implemented so as to make more economical use of materials and mainly for heat storage, the storage of larger amounts of heat being more economical by decentralization and heat production by regeneration can be put to better use. The invention also concerns a method for operating an accumulating heat exchanger and its use.

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IPC 8 full level

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