

Title (en)

METHOD AND DEVICE FOR HEATING A BUILDING USING A SOLAR COLLECTOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HEIZEN EINES GEBÄUDES MIT EINEM SONNENKOLLEKTOR

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR CHAUFFER UN BÂTIMENT AU MOYEN D'UN CAPTEUR SOLAIRE

Publication

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Application

EP 14759528 A 20140304

Priority

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- SE 2014050266 W 20140304

Abstract (en)

[origin: WO2014137275A1] Method when heating a building with solar collectors comprising also a heat pump and energy storages using a phase transition material, wherein the energy storage is caused to be a first container (3) comprising a phase transition material, wherein the phase transition material is heated using solar collectors (1) connected to the energy storage, and wherein a heat pump (5) is caused to be connected with its cold side to the energy storage (2) and to be connected with its hot side to devices (2,6) to be heated. The invention is characterized in that the energy storage comprises a first container (3) located indoors, where the phase transition material in the container is caused to have a phase transitioning temperature of between 19 and 30 degrees Celsius, and in that the energy storage comprises a second energy storage in a second container (4) located outdoors and buried in the ground, where the phase transition material in the second container is caused to have a phase transitioning temperature which corresponds to or is lower than the mean temperature of the ground surrounding the container (4).

IPC 8 full level

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