

Title (en)

SYSTEM AND METHOD FOR PROVIDING DOMESTIC HOT WATER AND/OR SPACE HEATING WITHIN A BUILDING

Title (de)

SYSTEM UND VERFAHREN ZUM BEREITSTELLEN VON BRAUCHWARMWASSER UND/ODER RAUMHEIZUNG INNERHALB EINES GEBÄUDES

Title (fr)

SYSTÈME ET PROCÉDÉ POUR FOURNIR DE L'EAU CHAUDE DOMESTIQUE ET/OU UN CHAUFFAGE D'ESPACE D'UN BÂTIMENT

Publication

EP 4249812 A1 20230927 (EN)

Application

EP 22164465 A 20220325

Priority

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Abstract (en)

A system and for providing domestic hot water and/or space heating within a building is provided. The system, which can be used in the method, is characterized in that it comprises a first storage device containing a first phase change material, a first detector for determining the state of charge of the first storage device and a first phase change material heat exchanger suitable for exchanging heat between a refrigerant from a refrigeration circuit and the first phase change material. The system further comprises a second storage device containing a second phase change material, a second detector for determining the state of charge of the second storage device and a second phase change material heat exchanger suitable for exchanging heat between the second phase change material and water of a heat medium circuit. A controller is configured to control an operation of the system based on at least a state of charge of the first storage device and a state of charge of the second storage device.

IPC 8 full level

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Citation (applicant)

- JP 2008180473 A 20080807 - UMETSU KENJI
- JP 2012007796 A 20120112 - PANASONIC CORP
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Citation (search report)

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Designated contracting state (EPC)

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