

Title (en)

Stratified storage system and method for operating same

Title (de)

Schichtladespeichersystem und Verfahren zum Betreiben eines Schichtladespeichersystems

Title (fr)

Système de stockage de chargement de couche et procédé de fonctionnement d'un système de stockage de chargement de couche

Publication

EP 2090836 A3 20150826 (DE)

Application

EP 09001438 A 20090203

Priority

DE 102008009285 A 20080215

Abstract (en)

[origin: EP2090836A2] The system has a storage tank (1) containing storage medium, connected to a cold water inlet pipe (4) and a cold water discharge pipe (7) in a lower container area. A storage charging circuit (6) heats the medium. Volume of the tank is functionally partitioned into a readiness volume (2) and reserve volume (3) that lies below the readiness volume. The storage charging circuit has an additional hot water inlet pipe (W2) adjacent to a hot water inlet pipe (W1) that connects a heat exchanger (8) with the readiness and reserve volumes.

IPC 8 full level

F24D 3/08 (2006.01); **F24D 17/00** (2006.01); **F24D 17/02** (2006.01)

CPC (source: EP)

F24D 3/08 (2013.01); **F24D 17/00** (2013.01); **F24D 17/02** (2013.01); **F24D 2240/26** (2013.01)

Citation (search report)

- [XAI] EP 1298395 A2 20030402 - DAIKIN IND LTD [JP]
- [XAI] DE 10126916 A1 20021219 - GEERKENS NORBERT [DE]
- [XAI] JP 2003207202 A 20030725 - HITACHI AIR CONDITIONING SYS

Cited by

FR3031575A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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