

Title (en)

CONTROLLABLE VARIABLE INERTIA FLUID HEATING AND STORAGE SYSTEM

Title (de)

STUEBERBARES FLÜSSIGKEITSERHITZUNGS- UND LAGERUNGSSYSTEM MIT VARIABLER TRÄGHEIT

Title (fr)

SYSTÈME DE CHAUFFAGE ET DE STOCKAGE DE FLUIDE À INERTIE VARIABLE POUVANT ÊTRE COMMANDÉ

Publication

EP 2820357 A2 20150107 (EN)

Application

EP 13716838 A 20130213

Priority

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- PT 10638012 A 20120614
- IB 2013051174 W 20130213

Abstract (en)

[origin: WO2013121361A2] Controllable variable inertia water storage system for heating and/or cooling, comprising: a plurality of water storage volumes for storing and heating water, these being either a vessel comprising sub-volumes or independent multiple vessels, said volumes being interconnected in series; a water inlet and outlet connect to the interconnected volumes; an independent water heater and/or cooler for each volume. Method for operating said system comprising: defining target sub-temperatures for each volume, wherein said target sub-temperatures are sequentially higher for each volume, in the direction of the water flow from inlet to outlet; increasing the target sub-temperatures in periods of forecasted higher demand, and, inversely, decreasing the target sub-temperatures in periods of forecasted lower demand; heating the volumes up to the target sub-temperatures, when the user indicates so or when a source of heat is available.

IPC 8 full level

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Citation (search report)

See references of WO 2013121361A2

Citation (examination)

WO 2010136609 A2 20101202 - COLIPU AS [DK], et al

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Designated extension state (EPC)

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