

Title (en)

METHOD FOR OPERATING A HEAT RESERVOIR SYSTEM COMPRISING A HEAT PUMP

Title (de)

VERFAHREN ZUM BETREIBEN EINES EINE WÄRMEPUMPE AUFWEISENDEN WÄRMESPEICHERSYSTEMS

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN SYSTÈME ACCUMULATEUR DE CHALEUR COMPORTANT UNE POMPE À CHALEUR

Publication

EP 3711132 A1 20200923 (DE)

Application

EP 18796043 A 20181031

Priority

- DE 102017220414 A 20171116
- EP 2018079882 W 20181031

Abstract (en)

[origin: WO2019096587A1] The invention relates to a method for operating a heat reservoir system having a heat pump (12), by means of a local energy management system (18), the heat reservoir system having a heat pump (12) which is connected to a local electrical grid (10) and the local energy management system (18) controlling electrical currents in the local electrical grid (10) and controlling electrical currents flowing between the local electrical grid (10) and an external electrical grid (26). In said method, an electrical load associated with the operation of the heat pump (12) can be shifted temporally and the temporal shift is controlled by the local energy management system (18). The power input of the heat pump is controlled according to a set point from the local energy management system (18), provided that the thermal demands on the heat reservoir system allow this.

IPC 8 full level

H02J 3/14 (2006.01); **F24H 4/00** (2006.01)

CPC (source: EP US)

F24D 19/1081 (2013.01 - EP US); **F24H 4/04** (2013.01 - EP); **F24H 15/148** (2022.01 - EP US); **F24H 15/156** (2022.01 - EP US); **F24H 15/164** (2022.01 - EP US); **F24H 15/375** (2022.01 - EP US); **F24H 15/395** (2022.01 - EP US); **F25B 30/02** (2013.01 - EP); **F25B 49/022** (2013.01 - EP); **H02J 3/14** (2013.01 - EP US); **F24D 2200/02** (2013.01 - EP); **F24D 2200/123** (2013.01 - EP); **F24H 15/176** (2022.01 - EP US); **F24H 15/184** (2022.01 - EP US); **F24H 15/223** (2022.01 - EP US); **F24H 15/414** (2022.01 - EP US); **F24H 15/457** (2022.01 - EP US); **H02J 2310/14** (2020.01 - EP); **Y02B 30/70** (2013.01 - EP); **Y02B 70/30** (2013.01 - EP); **Y02B 70/3225** (2013.01 - EP); **Y04S 20/222** (2013.01 - EP); **Y04S 20/242** (2013.01 - EP); **Y04S 20/244** (2013.01 - EP)

Citation (examination)

EP 3392997 A1 20181024 - ECOFOREST GEOTERMIA S L [ES]

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102017220414 A1 20190516; EP 3711132 A1 20200923; WO 2019096587 A1 20190523

DOCDB simple family (application)

DE 102017220414 A 20171116; EP 18796043 A 20181031; EP 2018079882 W 20181031