

Title (en)

HEATING APPARATUS COMPRISING A BATTERY AND A POWER INVERTER FOR INTRODUCING ENERGY FROM THE BATTERY TO THE ELECTRICAL SUPPLY SOURCE

Title (de)

HEIZGERÄT MIT EINER BATTERIE UND EINEM WECHSELRICHTER ZUM ZUFÜHREN VON ENERGIE VON DER BATTERIE IN DIE ELEKTRISCHE VERSORGUNGSQUELLE

Title (fr)

APPAREIL DE CHAUFFAGE INTÉGRANT UNE BATTERIE ET UN ONDULEUR POUR INJECTER DE L'ÉNERGIE DE LA BATTERIE VERS LA SOURCE D'ALIMENTATION ÉLECTRIQUE

Publication

EP 3676541 B1 20230531 (FR)

Application

EP 18800249 A 20181010

Priority

- FR 1760912 A 20171120
- FR 2018052516 W 20181010

Abstract (en)

[origin: WO2019097130A1] A heating apparatus (10) comprises a storage device (12) and at least one heating member (13). The heating member (13) can be connected to the storage device (12) and an electrical supply source (14). A power inverter (15) is connected to the output (122) of the storage device (12) and the electrical supply source (14). First switching elements are used to vary the first connection elements between an open circuit configuration and a closed circuit configuration in which electrical energy stored in the storage device (12) is introduced into the electrical supply source (14) via the power inverter (15).

IPC 8 full level

F24D 18/00 (2022.01); **F24H 3/04** (2022.01); **F24D 101/30** (2022.01); **F24D 101/40** (2022.01)

CPC (source: EP US)

F24C 7/002 (2013.01 - US); **F24C 15/08** (2013.01 - US); **F24D 18/00** (2022.01 - EP US); **F24H 3/002** (2013.01 - EP); **F24H 3/0411** (2013.01 - EP); **H05B 1/0277** (2013.01 - EP US); **F24D 2101/30** (2022.01 - EP US); **F24D 2101/40** (2022.01 - EP US); **F24D 2220/2036** (2013.01 - EP); **F24H 2240/01** (2013.01 - EP US)

Cited by

RU2745057C1

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

DOCDB simple family (publication)

WO 2019097130 A1 20190523; CA 3081413 A1 20190523; EP 3676541 A1 20200708; EP 3676541 B1 20230531; ES 2955972 T3 20231211; FR 3073932 A1 20190524; FR 3073932 B1 20200612; US 2020329531 A1 20201015

DOCDB simple family (application)

FR 2018052516 W 20181010; CA 3081413 A 20181010; EP 18800249 A 20181010; ES 18800249 T 20181010; FR 1760912 A 20171120; US 201816765433 A 20181010