Title (en)

DEFROSTING OPERATION METHOD FOR HEAT PUMP SYSTEM, AND HEAT PUMP SYSTEM

Title (de)

ABTAUBETRIEBSVERFAHREN FÜR EIN WÄRMEPUMPENSYSTEM UND WÄRMEPUMPENSYSTEM

Title (fr)

PROCÉDÉ D'OPÉRATION DE DÉGIVRAGE POUR SYSTÈME DE POMPES À CHALEUR, ET SYSTÈME DE POMPES À CHALEUR

Publication

EP 2784414 A4 20151007 (EN)

Application

EP 12851389 A 20121102

Priority

- JP 2011256500 A 20111124
- JP 2012078430 W 20121102

Abstract (en)

[origin: EP2784414A1] A heat-pump-system defrosting operation method includes: a step (S2) of determining, if at least one of heat pumps has already performed a defrosting operation, whether to make a target heat pump that is a determination target start the defrosting operation based on the temperature of an air heat exchanger of the target heat pump and a first threshold temperature; and a step (S6) of determining, if none of the plurality of heat pumps has performed the defrosting operation, and if there is a heat pump that is likely to start the defrosting operation next to the target heat pump, whether to make the target heat pump start the defrosting operation, based on the temperature of the air heat exchanger of the target heat pump and a second threshold temperature that is higher than the first threshold temperature.

IPC 8 full level

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CPC (source: EP)

F25B 30/02 (2013.01); **F25B 47/025** (2013.01); **F25B 49/02** (2013.01); F25B 2339/047 (2013.01); F25B 2347/021 (2013.01); F25B 2400/06 (2013.01)

Citation (search report)

- [A] JP 2005090785 A 20050407 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2010125370 A1 20100520 - BABA MASANOBU [JP], et al
- [A] JP 2005090784 A 20050407 - MATSUSHITA ELECTRIC IND CO LTD
- See references of WO 2013077167A1

Cited by

RU2672995C1; US11629891B2; US11913694B2; EP3995763A4; US10823482B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2784414 A1 20141001; **EP 2784414 A4 20151007**; CN 103906984 A 20140702; CN 103906984 B 20160413; JP 2013108732 A 20130606; JP 5836083 B2 20151224; KR 101605981 B1 20160323; KR 20140066773 A 20140602; WO 2013077167 A1 20130530

DOCDB simple family (application)

EP 12851389 A 20121102; CN 201280053035 A 20121102; JP 2011256500 A 20111124; JP 2012078430 W 20121102; KR 20147010818 A 20121102