Title (en)

METHOD AND DEVICE FOR DEFROSTING AIR CONDITIONER

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ENTFROSTEN EINER KLIMAANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉGIVRAGE DE CLIMATISEUR

Publication

EP 3531045 A4 20190828 (EN)

Application

EP 17861512 A 20171019

Priority

- CN 201610915879 A 20161020
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- CN 2017106842 W 20171019

Abstract (en)

[origin: EP3531045A1] A method and device for defrosting an air conditioner. The method comprises the following steps: detecting a refrigerant pressure of a heat exchange; obtaining, according to the detected refrigerant pressure of the heat exchange, a corresponding saturation temperature; obtaining an ambient dew point temperature; and when the corresponding saturation temperature is less than 0°C and less than the ambient dew point temperature, controlling the air conditioner to enter a defrost mode. The method can ensure timely defrosting when frost is formed, prevent defrosting when no frost is formed, extending a service life of an air conditioner.

IPC 8 full level

F25B 47/02 (2006.01); **F24F 11/42** (2018.01); **F24F 11/61** (2018.01); **F25B 13/00** (2006.01); **F25B 49/02** (2006.01); F24F 110/12 (2018.01); F24F 110/22 (2018.01)

CPC (source: EP US)

F24F 11/42 (2017.12 - EP US); **F24F 11/61** (2017.12 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 47/02** (2013.01 - EP US); **F25B 49/02** (2013.01 - EP US); F24F 2110/12 (2017.12 - EP US); F24F 2110/22 (2017.12 - EP US); F25B 2313/0315 (2013.01 - EP US); F25B 2700/2106 (2013.01 - EP US)

Citation (search report)

- [XI] JP S61250438 A 19861107 - SAGINOMIYA SEISAKUSHO INC
- [A] JP 2007263426 A 20071011 - SANYO ELECTRIC CO
- [A] EP 2357434 A1 20110817 - DAIKIN IND LTD [JP]
- See references of WO 2018072727A1

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)

EP 3531045 A1 20190828; **EP 3531045 A4 20190828**; US 2019242604 A1 20190808; WO 2018072727 A1 20180426

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