

Title (en)

CONTROL METHOD AND DEVICE FOR AIR CONDITIONER

Title (de)

STEUERVERFAHREN UND -VORRICHTUNG FÜR EINE KLIMAAANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE POUR CLIMATISEUR

Publication

EP 3620724 A4 20201202 (EN)

Application

EP 18801309 A 20180428

Priority

- CN 201710348657 A 20170517
- CN 2018085040 W 20180428

Abstract (en)

[origin: EP3620724A1] A control method for an air conditioner includes: determining the frosting state of an indoor unit when an air conditioner is operated in a refrigeration mode (S301); and controlling to block a refrigerant pipeline flowing to the indoor unit (S302) when the indoor unit frosts in the refrigeration mode. According to the control method, by controlling to block the refrigerant pipeline flowing to a heat exchanger which frosts, continuous input of a low-temperature refrigerant to the frosted heat exchanger can be stopped, so as to avoid further aggravation of the frosting problem. Moreover, the heat exchanger can be naturally defrosted and deiced by means of the temperature of an environment of the heat exchanger, so as to achieve the freezing protection effect for the heat exchanger of the air conditioner. A control device for an air conditioner is further disclosed.

IPC 8 full level

F24F 11/43 (2018.01); **F24F 11/00** (2018.01); **F24F 11/84** (2018.01); **F24F 140/12** (2018.01)

CPC (source: EP RU)

F24F 11/00 (2013.01 - RU); **F24F 11/43** (2018.01 - EP); **F24F 11/84** (2018.01 - EP); **F24F 2140/12** (2018.01 - EP)

Citation (search report)

- [X] CN 105570988 A 20160511 - GREE ELECTRIC APPLIANCES INC ZHUHAI
- [X] CN 106152413 A 20161123 - QINGDAO HAIER AIR CONDITIONER
- [A] WO 2016113850 A1 20160721 - MITSUBISHI ELECTRIC CORP [JP]
- [A] CN 101532705 A 20090916 - HISENSE SHANDONG AIRCO CO LTD
- See also references of WO 2018210119A1

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

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EP 3620724 A1 20200311; **EP 3620724 A4 20201202**; CN 107166643 A 20170915; RU 2722319 C1 20200529; WO 2018210119 A1 20181122

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EP 18801309 A 20180428; CN 201710348657 A 20170517; CN 2018085040 W 20180428; RU 2019115926 A 20180428