

Title (en)

REFRIGERANT FLOW CONTROL METHOD AND DEVICE FOR AIR CONDITIONER AND COMPUTER STORAGE MEDIUM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINES KÄLTEMITTELSTROMS FÜR EINE KLIMAAANLAGE UND COMPUTERSPEICHERMEDIUM

Title (fr)

PROCÉDÉ ET DISPOSITIF DE RÉGULATION D'ÉCOULEMENT DE FLUIDE FRIGORIGÈNE POUR CLIMATISEUR, ET SUPPORT D'INFORMATIONS INFORMATIQUE

Publication

EP 3828473 A4 20211124 (EN)

Application

EP 19861603 A 20190527

Priority

- CN 201811084930 A 20180918
- CN 2019088489 W 20190527

Abstract (en)

[origin: EP3828473A1] The present application discloses a refrigerant flow control method and device for air conditioner and a computer storage medium, relating to the technical field of intelligent household electrical appliance. An air conditioner comprises an outdoor unit and at least two indoor units, each indoor unit is connected with the outdoor unit by means of a corresponding throttling device; the method comprises: acquiring a suction temperature of a compressor in the outdoor unit and acquiring coil temperatures of the indoor units; when a first temperature difference between the suction temperature and the average coil temperature is greater than a preset one, adjusting parameters of at least one throttling device so as to increase the refrigerant flow in the throttling device, the average coil temperature being an average value of the coil temperatures; when the first temperature difference is less than the preset one, adjusting parameters of at least one throttling device so as to reduce the refrigerant flow in the throttling device. Thus, the unification of single-split type indoor unit and multi-split type indoor unit is realized and the resources are saved.

IPC 8 full level

F24F 11/64 (2018.01); **F24F 11/84** (2018.01); **F25B 13/00** (2006.01); **F25B 49/02** (2006.01); **F24F 140/20** (2018.01)

CPC (source: CN EP)

F24F 11/64 (2017.12 - CN EP); **F24F 11/84** (2017.12 - EP); **F25B 49/02** (2013.01 - EP); **F24F 2140/20** (2017.12 - CN EP); **F25B 13/00** (2013.01 - EP); **F25B 2313/0233** (2013.01 - EP); **F25B 2500/19** (2013.01 - EP); **F25B 2600/2513** (2013.01 - EP); **F25B 2700/2104** (2013.01 - EP); **F25B 2700/21151** (2013.01 - EP); **F25B 2700/2117** (2013.01 - EP)

Citation (search report)

- [XYI] CN 102353121 A 20120215 - TCL AIR CONDITIONER ZHONGSHAN
- [Y] CN 207635547 U 20180720 - GREE ELECTRIC APPLIANCES INC ZHUHAI
- [A] EP 2787299 A1 20141008 - SAMSUNG ELECTRONICS CO LTD [KR]
- See references of WO 2020057169A1

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 3828473 A1 20210602; **EP 3828473 A4 20211124**; CN 109028494 A 20181218; CN 109028494 B 20200918; WO 2020057169 A1 20200326

DOCDB simple family (application)

EP 19861603 A 20190527; CN 201811084930 A 20180918; CN 2019088489 W 20190527