

Title (en)
CONTROL METHOD FOR AIR CONDITIONER

Title (de)
STEUERUNGSVERFAHREN FÜR KLIMAANLAGE

Title (fr)
PROCÉDÉ DE COMMANDE POUR CLIMATISEUR

Publication
EP 3734178 A4 20210505 (EN)

Application
EP 18895635 A 20181018

Priority
• CN 201711425104 A 20171225
• CN 2018110793 W 20181018

Abstract (en)
[origin: EP3734178A1] The air conditioner comprises a compressor and an indoor unit. The method comprises: obtaining a coil temperature of the indoor unit; and selectively adjusting the frequency of the compressor according to the coil temperature of the indoor unit. According to the method, the operating frequency of the compressor is adjusted by determining a temperature interval in which the coil temperature of the indoor unit is, so as to avoid the icing of the indoor unit of the air conditioner, thereby effectively solving the icing problem of the indoor unit of the air conditioner, and also improving the operation stability and reliability of the air conditioner.

IPC 8 full level
F24F 11/86 (2018.01); **F24F 11/41** (2018.01); **F24F 11/43** (2018.01); **F25B 49/02** (2006.01); **F24F 140/20** (2018.01)

CPC (source: EP US)
F24F 11/43 (2018.01 - EP US); **F24F 11/86** (2018.01 - EP US); **F25B 49/022** (2013.01 - EP US); **F25B 2500/27** (2013.01 - EP US); **F25B 2600/024** (2013.01 - US); **F25B 2700/21157** (2013.01 - US); **F25B 2700/2117** (2013.01 - EP US)

Citation (search report)
• [X] EP 2428751 A2 20120314 - PANASONIC CORP [JP]
• [X] CN 103115417 A 20130522 - HAIER GROUP CO LTD, et al
• [X] CN 104566645 A 20150429 - GUANGDONG MEDIA REFRIGERATION EQUIPMENT CO LTD
• [X] CN 104697118 A 20150610 - GUANGDONG MEDIA REFRIGERATION EQUIPMENT CO LTD, et al
• See also references of WO 2019128397A1

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 3734178 A1 20201104; **EP 3734178 A4 20210505**; **EP 3734178 B1 20240410**; CN 108224704 A 20180629; US 2021071924 A1 20210311; WO 2019128397 A1 20190704

DOCDB simple family (application)
EP 18895635 A 20181018; CN 201711425104 A 20171225; CN 2018110793 W 20181018; US 201816957486 A 20181018