

Title (en)
AIR CONDITIONING DEVICE

Title (de)
KLIMATISIERUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE CLIMATISATION

Publication
EP 3508795 A4 20190828 (EN)

Application
EP 16915076 A 20160830

Priority
JP 2016075325 W 20160830

Abstract (en)
[origin: EP3508795A1] An air-conditioning apparatus (101) includes a refrigerant circuit (102), a pipe temperature sensor (111), an indoor air blower (113), an air-conditioning load sensor device (125), and a controller (130). The pipe temperature sensor (111) senses a condensing temperature (CT). The indoor air blower (113) regulates a volume of air sent to an indoor heat exchanger (115). The air-conditioning load sensor device (125) senses air-conditioning load. The controller (130) has a first mode and a second mode different from the first mode as operation modes, and controls a volume of air sent by the indoor air blower (113). In the second mode, the controller (130) has the indoor air blower (113) operate such that a volume of air is varied between a first volume of air and a second volume of air larger than the first volume of air with variation in condensing temperature. When air-conditioning load sensed by the air-conditioning load sensor device (125) becomes lower than a first threshold value in the first mode, the controller (130) changes the first mode to the second mode.

IPC 8 full level
F24F 11/30 (2018.01); **F24F 11/74** (2018.01); **F24F 11/81** (2018.01); **F24F 11/873** (2018.01); **F24F 110/10** (2018.01); **F24F 140/20** (2018.01); **F24F 140/50** (2018.01)

CPC (source: EP)
F24F 11/74 (2017.12); **F24F 11/81** (2017.12); **F24F 11/873** (2017.12); **F24F 2110/10** (2017.12); **F24F 2140/20** (2017.12); **F24F 2140/50** (2017.12)

Citation (search report)

- [XAY] JP H0894158 A 19960412 - DAIKIN IND LTD
- [Y] JP 2013217550 A 20131024 - MITSUBISHI HEAVY IND LTD
- [Y] JP 2007040554 A 20070215 - MATSUSHITA ELECTRIC IND CO LTD
- See references of WO 2018042515A1

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 3508795 A1 20190710; **EP 3508795 A4 20190828**; **EP 3508795 B1 20220511**; CN 109642747 A 20190416; CN 109642747 B 20201127; JP 6727312 B2 20200722; JP WO2018042515 A1 20190624; WO 2018042515 A1 20180308

DOCDB simple family (application)
EP 16915076 A 20160830; CN 201680088662 A 20160830; JP 2016075325 W 20160830; JP 2018536555 A 20160830