

Title (en)

AIR CONDITIONING DEVICE, AND LEARNING DEVICE OF AIR CONDITIONING DEVICE

Title (de)

KLIMAANLAGE UND LERNVORRICHTUNG FÜR DIE KLIMAANLAGE

Title (fr)

DISPOSITIF DE CLIMATISATION ET DISPOSITIF D'APPRENTISSAGE DU DISPOSITIF DE CLIMATISATION

Publication

EP 4246050 A4 20240327 (EN)

Application

EP 20961517 A 20201110

Priority

JP 2020041935 W 20201110

Abstract (en)

[origin: WO2022101989A1] An indoor unit (20a, 20b) includes a controller (6a, 6b), an indoor heat exchanger (3a, 3b), an electronic expansion valve (4a, 4b), an intake thermistor (7a, 7b) that detects the temperature of taken-in air, and a discharge thermistor (8a, 8b) that detects the temperature of discharged air. The indoor unit (20a, 20b) switches to thermo-off operation when the temperature detected by the discharge thermistor (8a, 8b) reaches a reference value. The air conditioning device comprises a first inference device (32) that infers whether any of a plurality of indoor units (20a, 20b) will switch to thermo-off operation in a given period in the near future from factors including the set temperature, the temperatures detected by a plurality of intake thermistors (7a, 7b), and the temperatures detected by a plurality of discharge thermistors (8a, 8b) in a given period in the past.

IPC 8 full level

F24F 11/64 (2018.01); **F24F 11/62** (2018.01); **F24F 11/63** (2018.01); **F24F 110/10** (2018.01); **F24F 130/10** (2018.01)

CPC (source: EP)

F24F 11/62 (2018.01); **F24F 11/63** (2018.01); **F24F 11/64** (2018.01); **F24F 2110/10** (2018.01); **F24F 2130/10** (2018.01)

Citation (search report)

- [Y] JP 2013221637 A 20131028 - MITSUBISHI ELECTRIC CORP
- [Y] WO 2016016913 A1 20160204 - MITSUBISHI ELECTRIC CORP [JP]
- [Y] WO 2015025317 A1 20150226 - SENSIBO LTD [IL]
- [Y] KR 20200043781 A 20200428 - NAT UNIV PUSAN IND UNIV COOP FOUND [KR]
- [Y] US 8996141 B1 20150331 - ALSALEEM FADI [US], et al
- See also references of WO 2022101989A1

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

DOCDB simple family (publication)

EP 4246050 A1 20230920; **EP 4246050 A4 20240327**; WO 2022101989 A1 20220519

DOCDB simple family (application)

EP 20961517 A 20201110; JP 2020041935 W 20201110