

Title (en)
AIR CONDITIONING APPARATUS

Title (de)
KLIMATISIERUNGSVORRICHTUNG

Title (fr)
APPAREIL DE CONDITIONNEMENT D'AIR

Publication
EP 3869123 A1 20210825 (EN)

Application
EP 21157496 A 20210216

Priority
JP 2020027296 A 20200220

Abstract (en)
An air conditioning apparatus suppresses sticking of an opening and closing device and suppresses an amount of refrigerant leakage from an indoor unit. In an air conditioning apparatus 1 including an outdoor unit 20 having a compressor 201, an indoor unit 30 having a use side heat exchanger 301, a refrigerant pipes 11, 12, 13, and 14 connecting the outdoor unit 20 and the indoor unit 30, opening and closing devices 101 and 102 disposed in the refrigerant pipes 13 and 14, and a controller 100, the controller 100 executes a sticking prevention operation in which the opening and closing devices 101 and 102 are opened and closed when a refrigerant is not leaking.

IPC 8 full level
F25B 13/00 (2006.01); **F25B 41/24** (2021.01); **F25B 49/00** (2006.01)

CPC (source: EP)
F25B 13/00 (2013.01); **F25B 41/24** (2021.01); **F25B 49/005** (2013.01); **F25B 2313/0233** (2013.01); **F25B 2313/0314** (2013.01); **F25B 2500/06** (2013.01); **F25B 2500/221** (2013.01); **F25B 2500/222** (2013.01); **F25B 2600/01** (2013.01); **F25B 2600/2519** (2013.01)

Citation (applicant)
WO 2017203606 A1 20171130 - MITSUBISHI ELECTRIC CORP [JP]

Citation (search report)

- [IA] WO 2018216127 A1 20181129 - MITSUBISHI ELECTRIC CORP [JP]
- [A] JP 6120979 B2 20170426
- [A] EP 2202835 A1 20100630 - TOYOTA MOTOR CO LTD [JP]
- [A] JP 2009144943 A 20090702 - CORONA CORP

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 3869123 A1 20210825; **EP 3869123 B1 20240403**; **EP 3869123 C0 20240403**; JP 2021131194 A 20210909; JP 2024051172 A 20240410; JP 7457966 B2 20240329

DOCDB simple family (application)
EP 21157496 A 20210216; JP 2020027296 A 20200220; JP 2024032093 A 20240304