

Title (en)
AIR CONDITIONER AND INDOOR UNIT

Title (de)
KLIMAANLAGE UND INNENRAUMEINHEIT

Title (fr)
CLIMATISEUR ET UNITÉ INTÉRIEURE

Publication
EP 4269897 A4 20240306 (EN)

Application
EP 20968015 A 20201228

Priority
JP 2020049201 W 20201228

Abstract (en)
[origin: WO2022145004A1] An air conditioner (1) comprises an outdoor unit (2) and an indoor unit (3). The indoor unit is equipped with: a first connection port (121) that is connected to the outdoor unit and configured so as to circulate refrigerant; a second connection port (122) that is connected to the outdoor unit and configured so as to circulate the refrigerant; a first path (92 to 94) that is provided between the first connection port and the second connection port; a second path (95 to 97) that is provided between the first connection port and the second connection port in parallel with the first path; a first indoor heat exchanger (71) that is provided in the first path; a first expansion valve (42) that is provided between the first indoor heat exchanger in the first path and the second connection port; a second indoor heat exchanger (72) that is provided in the second path; and a second expansion valve (43) that is provided between the second indoor heat exchanger in the second path and the first connection port. The first indoor heat exchanger is located on the upwind side in the flow direction of air taken into the indoor unit. The second indoor heat exchanger is located on the downwind side in the flow direction of air taken into the indoor unit.

IPC 8 full level
F24F 11/86 (2018.01); **F24F 1/0063** (2019.01); **F24F 1/0068** (2019.01); **F24F 11/84** (2018.01); **F25B 13/00** (2006.01); **F25B 49/02** (2006.01); **F24F 110/20** (2018.01)

CPC (source: EP)
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Citation (search report)
• [A] EP 2626223 A1 20130814 - LG ELECTRONICS INC [KR]
• [A] EP 3505838 A1 20190703 - MITSUBISHI ELECTRIC CORP [JP]
• [A] EP 3543618 A1 20190925 - MITSUBISHI HEAVY IND THERMAL SYSTEMS LTD [JP]
• [A] EP 3715747 A1 20200930 - MITSUBISHI ELECTRIC CORP [JP]
• [A] EP 3199880 A1 20170802 - DAIKIN IND LTD [JP]
• See also references of WO 2022145004A1

Designated contracting state (EPC)
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