Title (en)

INDOOR UNIT OF AIR CONDITIONING APPARATUS

Title (de)

INNENRAUMEINHEIT EINER KLIMATISIERUNGSVORRICHTUNG

Title (fr)

UNITÉ INTÉRIEURE DE CLIMATISEUR

Publication

EP 3719405 C0 20230809 (EN)

Application

EP 20166988 A 20200331

Priority

• JP 2019070786 A 20190402
• JP 2020030266 A 20200226

Abstract (en)

[origin: EP3719405A1] [Object]An indoor unit of an air conditioning apparatus is provided which may detect refrigerant leakage and may inhibit refrigerant in a closed space from becoming a flammability limit concentration or higher in short time when refrigerant leakage occurs.[Solving Means]An indoor unit 10 of an air conditioning apparatus includes a housing 15, a heat exchanger 17 arranged in the housing 15, first refrigerant piping 70 arranged in the housing 15 and passing in the heat exchanger 17, a connection portion 75 connecting the first refrigerant piping 70 with second refrigerant piping 71 routed from an exterior of the housing 15, and a retainment portion 68 as a space accommodating the connection portion 75 and includes a refrigerant leakage detection flow path 80 causing the retainment portion 68 to communicate with a negative pressure space and refrigerant leakage detection means 58 detecting refrigerant flowing through the refrigerant leakage detection flow path 80.

IPC 8 full level

F24F 1/0068 (2019.01); **F24F 1/0014** (2019.01); **F24F 1/0022** (2019.01); **F24F 11/36** (2018.01); **F24F 13/22** (2006.01)

CPC (source: EP)

F24F 1/0068 (2019.01); **F24F 11/36** (2017.12); **F24F 13/222** (2013.01); F24F 1/0014 (2013.01); F24F 1/0022 (2013.01); F24F 1/0047 (2019.01); F24F 1/0063 (2019.01); F24F 1/0326 (2019.01)

Cited by

CN117366691A

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

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

EP 3719405 A1 20201007; **EP 3719405 B1 20230809**; **EP 3719405 C0 20230809**

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