

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 4033165 A1 20220727 (EN)

Application
EP 21203576 A 20211019

Priority
JP 2021007684 A 20210121

Abstract (en)
An air conditioner according to the present disclosure includes indoor heat exchanger in indoor unit, an outdoor heat exchanger in an outdoor unit, pipe connector connecting a refrigerant pipe attached to the indoor heat exchanger to a refrigerant pipe attached to the outdoor heat exchanger, and a flammable refrigerant filling each of the refrigerant pipes. In the air conditioner, indoor unit includes air blow circuit housing indoor heat exchanger, pipe connection housing section located on a back surface of an underframe of indoor unit and that houses pipe connection portion, and leak detection sensor that detects a leak of the flammable refrigerant and that is disposed in air blow circuit. Indoor unit further includes communication path communicatively connecting air blow circuit to pipe connection housing section.

IPC 8 full level
F24F 1/0007 (2019.01); **F24F 1/0068** (2019.01); **F24F 11/36** (2018.01); **F24F 13/20** (2006.01); **F24F 13/22** (2006.01)

CPC (source: EP)
F24F 1/0007 (2013.01); **F24F 1/0068** (2019.01); **F24F 11/36** (2017.12); **F24F 13/20** (2013.01); **F24F 13/222** (2013.01); **F24F 2013/205** (2013.01); **F24F 2013/227** (2013.01)

Citation (applicant)
JP 2002098346 A 20020405 - DAIKIN IND LTD

Citation (search report)

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- [Y] WO 2018176554 A1 20181004 - GUANGDONG MIDEA REFRIGERATION APPLIANCES CO LTD [CN], et al
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Cited by
US11971183B2; US12117191B2

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 4033165 A1 20220727; JP 2022112061 A 20220802

DOCDB simple family (application)
EP 21203576 A 20211019; JP 2021007684 A 20210121