

Title (en)
AIR CONDITIONER DESIGN ASSISTANCE DEVICE

Title (de)
KLIMAANLAGENDESIGNUNTERSTÜTZUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'AIDE À LA CONCEPTION DE CLIMATISEUR

Publication
EP 3764008 A1 20210113 (EN)

Application
EP 18867302 A 20180308

Priority
JP 2018008893 W 20180308

Abstract (en)
Provided is an air-conditioner design support device which makes it possible to determine the need for a safety measure with respect to an air conditioner automatically and easily. A design support device 1 is provided with: a read device 41 which reads data concerning a design drawing 20 for an air conditioner describing indoor devices 101 to 104, an outdoor device 200, rooms 11 to 14, and pipes a to g; acquisition devices 42 to 46 which acquire, from the data concerning the design drawing 20 that have been read, data concerning the indoor devices 101 to 104, the outdoor device 200, the rooms 11 to 14, and the pipes a to g; and a determination device 47 which calculates the amount of refrigerant required for the air conditioner based on the acquired data concerning the indoor devices 101 to 104, the outdoor device 200, and the pipes a to g, calculates the volume of each of the rooms 11 to 14 based on the acquired data concerning the rooms 11 to 14, determines the need for a safety measure with respect to the rooms 11 to 14 based on the amount of refrigerant and the volume, and outputs a determination result.

IPC 8 full level
F24F 11/36 (2018.01); **F25B 49/00** (2006.01)

CPC (source: EP)
F24F 11/36 (2017.12); **F24F 11/64** (2017.12)

Citation (search report)
See references of WO 2019171520A1

Cited by
WO2023161248A1; BE1030289A1

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 3764008 A1 20210113; JP 6632760 B1 20200122; JP WO2019171520 A1 20200416; WO 2019171520 A1 20190912

DOCDB simple family (application)
EP 18867302 A 20180308; JP 2018008893 W 20180308; JP 2019500683 A 20180308