

Title (en)
CONTROL METHOD, AIR CONDITIONER, AND PROGRAM

Title (de)
STEUERUNGSVERFAHREN, KLIMAANLAGE UND PROGRAMM

Title (fr)
PROCÉDÉ DE COMMANDE, CLIMATISEUR ET PROGRAMME

Publication
EP 4071419 A4 20230111 (EN)

Application
EP 20896641 A 20200227

Priority
• US 201962944837 P 20191206
• JP 2020008084 W 20200227

Abstract (en)
[origin: EP4071419A1] A control method performed by a computer for controlling an air conditioner provided in a room includes: obtaining position information of a user in the room and a sleep depth that is sleep information of the user; controlling an airflow direction of the air conditioner in a first stage of the sleep depth based on the position information, such that the air discharged by the air conditioner avoids the user (S146); and controlling the airflow direction in a second stage of the sleep depth based on the position information, such that the air discharged by the air conditioner hits the user (S145).

IPC 8 full level
F24F 11/63 (2018.01); **F24F 11/79** (2018.01); **F24F 11/80** (2018.01); **F24F 120/12** (2018.01)

CPC (source: EP)
F24F 11/63 (2018.01); **F24F 11/79** (2018.01); **F24F 11/80** (2018.01); **F24F 2120/12** (2018.01)

Citation (search report)
• [IY] JP 2010133692 A 20100617 - MITSUBISHI ELECTRIC CORP
• [AD] JP 2016176629 A 20161006 - MITSUBISHI ELECTRIC CORP
• [Y] JP 2009018091 A 20090129 - TOYOTA MOTOR CORP, et al
• [Y] JP 2017215131 A 20171207 - MITSUBISHI ELECTRIC CORP
• [A] JP 2016061446 A 20160425 - HITACHI APPLIANCES INC
• [A] JP 2019094855 A 20190620 - MITSUBISHI ELECTRIC CORP
• See also references of WO 2021111648A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4071419 A1 20221012; **EP 4071419 A4 20230111**; CN 113614461 A 20211105; JP WO2021111648 A1 20210610;
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DOCDB simple family (application)
EP 20896641 A 20200227; CN 202080019860 A 20200227; JP 2020008084 W 20200227; JP 2021529360 A 20200227