

Title (en)
AIR-CONDITIONING SYSTEM

Title (de)
KLIMATISIERUNGSSYSTEM

Title (fr)
SYSTÈME DE CLIMATISATION

Publication
EP 4119860 A1 20230118 (EN)

Application
EP 20924444 A 20200311

Priority
JP 2020010589 W 20200311

Abstract (en)
An air conditioning system (1) includes a plurality of air conditioners (2a, 2b, 2c, 2d) installed on a wall or a ceiling, and an air conditioning assisting device (4) installed at a position at an equal distance from each of the air conditioners (2a, 2b, 2c, 2d) on the wall or the ceiling. The air conditioning assisting device (4) includes a thermal image sensor (41), an assisting side communication unit (42) that receives information relating to operating states of some or all of the air conditioners (2a, 2b, 2c, 2d) from some or all of the air conditioners (2a, 2b, 2c, 2d), and transmits commands for air conditioning to some or all of the air conditioners (2a, 2b, 2c, 2d), a storage unit (43) that stores information obtained by the thermal image sensor (41) and information received by the assisting side communication unit (42), and a processing unit (44) that analyzes the information obtained by the thermal image sensor (41) and the information received by the assisting side communication unit (42), and generates the commands.

IPC 8 full level
F24F 11/54 (2018.01); **F24F 11/56** (2018.01); **F24F 11/64** (2018.01); **F24F 11/67** (2018.01); **F24F 110/10** (2018.01); **F24F 120/10** (2018.01)

CPC (source: EP US)
F24F 11/54 (2018.01 - EP); **F24F 11/56** (2018.01 - EP); **F24F 11/63** (2018.01 - US); **F24F 11/64** (2018.01 - EP); **F24F 11/67** (2018.01 - EP); **F24F 11/80** (2018.01 - EP US); **F24F 2110/10** (2018.01 - EP); **F24F 2120/10** (2018.01 - EP)

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 4119860 A1 20230118; **EP 4119860 A4 20230719**; AU 2020434523 A1 20220908; AU 2020434523 B2 20230824; CN 115315596 A 20221108; JP 7246564 B2 20230327; JP WO2021181571 A1 20210916; US 2023011111 A1 20230112; WO 2021181571 A1 20210916

DOCDB simple family (application)
EP 20924444 A 20200311; AU 2020434523 A 20200311; CN 202080094959 A 20200311; JP 2020010589 W 20200311; JP 2022507087 A 20200311; US 202017783340 A 20200311