

Title (en)  
INDOOR UNIT, AND REFRIGERATION CYCLE DEVICE

Title (de)  
INNENRAUMEINHEIT UND KÄLTEKREISLAUFVORRICHTUNG

Title (fr)  
UNITÉ INTÉRIEURE ET DISPOSITIF À CYCLE FRIGORIFIQUE

Publication  
**EP 4249821 A4 20240103 (EN)**

Application  
**EP 20962373 A 20201117**

Priority  
JP 2020042812 W 20201117

Abstract (en)  
[origin: EP4249821A1] An indoor unit includes: a main body having an opening near an air-conditioning target space and attached to an installation section; a panel having an air inlet through which air is suctioned and an air outlet through which the suctioned air is discharged, and covering the opening of the main body; a fan provided to the main body and generating flow of air that is suctioned from the air inlet of the panel and blown out from the air outlet of the panel; a bell mouth provided upstream of the fan in the main body and guiding the air suctioned from the air inlet toward the fan; and an electric component box provided upstream of the bell mouth in the main body, to thereby define an air-flowing space between the electric component box and the bell mouth, and accommodating a control unit that controls operation of the fan.

IPC 8 full level  
**F24F 13/20** (2006.01); **F24F 1/0022** (2019.01); **F24F 1/0047** (2019.01); **F24F 11/89** (2018.01)

CPC (source: EP US)  
**F24F 1/0022** (2013.01 - US); **F24F 1/0047** (2019.02 - EP US); **F24F 13/081** (2013.01 - US); **F24F 13/20** (2013.01 - US); **F24F 1/0022** (2013.01 - EP); **F24F 11/89** (2018.01 - EP); **F24F 13/24** (2013.01 - US)

Citation (search report)

- [XYI] WO 2018029877 A1 20180215 - HITACHI JOHNSON CONTROLS AIR CONDITIONING INC [JP]
- [XYI] JP H01263437 A 19891019 - MATSUSHITA REFRIGERATION
- [Y] JP 2014126245 A 20140707 - MITSUBISHI HEAVY IND LTD
- [Y] JP 2017122525 A 20170713 - PANASONIC IP MAN CORP
- See also references of WO 2022107209A1

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 4249821 A1 20230927**; **EP 4249821 A4 20240103**; CN 116391097 A 20230704; JP WO2022107209 A1 20220527; US 2023358417 A1 20231109; WO 2022107209 A1 20220527

DOCDB simple family (application)  
**EP 20962373 A 20201117**; CN 202080107104 A 20201117; JP 2020042812 W 20201117; JP 2022563276 A 20201117; US 202018027235 A 20201117