

Title (en)
OUTDOOR UNIT FOR AIR CONDITIONER

Title (de)
AUSSENEINHEIT FÜR KLIMAANLAGE

Title (fr)
UNITÉ EXTÉRIEURE POUR CLIMATISEUR

Publication
EP 4227588 A4 20231122 (EN)

Application
EP 20956659 A 20201005

Priority
JP 2020037715 W 20201005

Abstract (en)
[origin: US2023213217A1] An outdoor unit for an air-conditioning apparatus has a roof part installed at a front of a front panel of a casing and above an opening hole and extending in a width direction of the casing, and an outlet grille fixed to the casing and covering the opening hole. The roof part has a main roof portion that extends further forward than the front panel, and a sub-roof portion that extends downward and forward from the main roof portion and has a recession formed between a bottom face of the main roof portion and the sub-roof portion. The outlet grille is located such that an upper end portion of the outlet grille is in contact with the recession. The front panel and the upper end portion of the outlet grille sandwich the roof part.

IPC 8 full level
F24F 1/56 (2011.01)

CPC (source: EP US)
F24F 1/56 (2013.01 - EP US); **F24F 13/082** (2013.01 - US); **F24F 13/20** (2013.01 - US); **F24F 2221/52** (2013.01 - EP)

Citation (search report)

- [AD] JP 2012102971 A 20120531 - DENSO CORP
- [A] EP 2781845 A1 20140924 - DAIKIN IND LTD [JP]
- [A] WO 2020084681 A1 20200430 - MITSUBISHI ELECTRIC CORP [JP]
- [A] US 2014366570 A1 20141218 - USELTON ROBERT B [US]
- See also references of WO 2022074710A1

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)
US 2023213217 A1 20230706; CN 116209859 A 20230602; EP 4227588 A1 20230816; EP 4227588 A4 20231122; JP 7370477 B2 20231027; JP WO2022074710 A1 20220414; WO 2022074710 A1 20220414

DOCDB simple family (application)
US 202018000963 A 20201005; CN 202080105484 A 20201005; EP 20956659 A 20201005; JP 2020037715 W 20201005; JP 2022554983 A 20201005