

Title (en)
OUTDOOR UNIT OF AIR CONDITIONING DEVICE

Title (de)
AUSSENEINHEIT EINER KLIMAAANLAGE

Title (fr)
UNITÉ EXTÉRIEURE DE DISPOSITIF DE CLIMATISATION

Publication
EP 4166859 A1 20230419 (EN)

Application
EP 20939687 A 20200612

Priority
JP 2020023211 W 20200612

Abstract (en)
An outdoor unit for an air-conditioning apparatus includes a bellmouth having a first tapered portion with an inner diameter in upstream of the bellmouth from which air flows being larger than that in downstream of the bellmouth, and a straight pipe portion extending straight from the first tapered portion to the downstream side of airflow. The first tapered portion includes a first bend portion forming an air inlet, a second bend portion connecting to the straight pipe portion and having an inner diameter smaller than that of the first bend portion, and a connection portion connecting to the first bend portion and the second bend portion and having an inner surface extending straight. A length of at least a part of the first tapered portion along an axial direction of the straight pipe portion is larger than the straight pipe portion along the axial direction of the straight pipe portion.

IPC 8 full level
F24F 1/38 (2011.01)

CPC (source: EP US)
F24F 1/18 (2013.01 - EP); **F24F 1/38** (2013.01 - EP US)

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 4166859 A1 20230419; **EP 4166859 A4 20230712**; CN 115698594 A 20230203; JP WO2021250889 A1 20211216;
US 2023142460 A1 20230511; WO 2021250889 A1 20211216

DOCDB simple family (application)
EP 20939687 A 20200612; CN 202080101764 A 20200612; JP 2020023211 W 20200612; JP 2022529988 A 20200612;
US 202017918350 A 20200612