

Title (en)
INDOOR UNIT OF AIR CONDITIONER

Title (de)
INNENRAUMEINHEIT EINER KLIMAANLAGE

Title (fr)
UNITÉ INTÉRIEURE DE CLIMATISEUR

Publication
EP 4394262 A1 20240703 (EN)

Application
EP 23220339 A 20231227

Priority
• KR 20220184394 A 20221226
• KR 20230068978 A 20230530

Abstract (en)
An indoor unit of an air conditioner according to the present disclosure includes: a cabinet having an inlet through which outside air is introduced and an outlet through which air is discharged; a heat exchanger disposed in the cabinet; a blower fan disposed in the cabinet, the blower fan being configured to draw in air through the inlet and discharge the air to the outlet through the heat exchanger; and a plurality of discharge guides configured to control a direction of the air discharged to the outlet, wherein the plurality of discharge guides includes: a main discharge guide that has a first inclination angle with a baseline intersecting a rotation axis of the blower fan; and an auxiliary discharge guide including a first portion that has the first inclination angle with the baseline and a second portion that has a second inclination angle with the baseline, and wherein the second inclination angle is less than the first inclination angle.

IPC 8 full level
F24F 1/0011 (2019.01); **F24F 1/0014** (2019.01); **F24F 1/0057** (2019.01); **F24F 13/20** (2006.01)

CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 1/0014** (2013.01); **F24F 1/0057** (2019.02); **F24F 13/20** (2013.01)

Citation (applicant)
• KR 20060011656 A 20060203 - SAMSUNG ELECTRONICS CO LTD [KR]
• KR 20160085355 A 20160715 - UNIV SOUTHERN CALIFORNIA [US]

Citation (search report)
• [X] US 2020284441 A1 20200910 - CHOI SUNG GYU [KR], et al
• [A] CN 114763930 A 20220719 - LG ELECTRONICS INC
• [A] EP 2918930 A1 20150916 - DAIKIN IND LTD [JP]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4394262 A1 20240703

DOCDB simple family (application)
EP 23220339 A 20231227