

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 3315785 A1 20180502 (EN)

Application
EP 17196206 A 20171012

Priority
KR 20160137929 A 20161021

Abstract (en)
Disclosed herein is an air conditioner equipped with a stabilizer having an improved structure to reduce air-blowing noise. The air conditioner includes a main body having a suction port and a discharge port; a heat exchanger provided in the main body. A crossflow fan is configured to discharge air heat-exchanged by the heat exchanger to the discharge port. A stabilizer is located adjacent to the crossflow fan and comprises a guide section having a first guide portion configured to guide airflow flowing in the main body by the crossflow fan to a suction region and a second guide portion configured to guide the airflow to a discharge region. A flow separation section is connected to the guide section, wherein a location of the flow separating section varies in an axial direction of the crossflow fan and in a rotational direction of the crossflow fan.

IPC 8 full level
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Citation (search report)

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- [XII] JP 2012225573 A 20121115 - PANASONIC CORP
- [XI] GB 1066053 A 19670419 - HOOVER LTD
- [XI] EP 2902716 A1 20150805 - DAIKIN IND LTD [JP]
- [XI] EP 1780475 A2 20070502 - MITSUBISHI ELECTRIC CORP [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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 3315785 A1 20180502; **EP 3315785 B1 20210804**; CN 107975868 A 20180501; KR 20180044165 A 20180502; US 2018112888 A1 20180426

DOCDB simple family (application)
EP 17196206 A 20171012; CN 201710969878 A 20171018; KR 20160137929 A 20161021; US 201715786447 A 20171017