

Title (en)

AIR OUTLET FLOW GUIDE STRUCTURE AND PURIFIER

Title (de)

LUFTAUSLASSSTRÖMUNGSFÜHRUNGSSTRUKTUR UND REINIGER

Title (fr)

STRUCTURE DE GUIDAGE D'ÉCOULEMENT DE SORTIE D'AIR ET PURIFICATEUR

Publication

**EP 3845823 A4 20211110 (EN)**

Application

**EP 19888119 A 20190801**

Priority

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- CN 2019098863 W 20190801

Abstract (en)

[origin: EP3845823A1] The present disclosure relates to an air outlet flow guiding structure and a purifier. The air outlet flow guiding structure includes an outer housing covering a periphery of a centrifugal blade to form a flow guiding channel; and a flow guiding part is provided in the flow guiding channel, wherein the flow guiding part is located on one side, close to an air outlet of the flow guiding channel, of the centrifugal blade, and the flow guiding part is provided in a longitudinal direction of the flow guiding channel. Under the action of the centrifugal blade, air passes through the flow guiding channel, and the air passing through the centrifugal blades spirally moves in the outer housing towards the air outlet, and the flow guiding part which is provided in the longitudinal direction of the flow guiding channel guides the spirally moving air to flow towards the air outlet in the longitudinal direction of the flow guiding channel, so as to prevent the airflow from turning around in the flow guiding channel, thereby reducing the air volume loss, and improving the air purification efficiency.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

- [XYI] EP 3211336 A1 20170830 - LG ELECTRONICS INC [KR]
- [X] KR 20180040903 A 20180423 - LG ELECTRONICS INC [KR]
- [Y] AU 2013202385 A1 20131017 - CSR BUILDING PRODUCTS LTD
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- See also references of WO 2020103492A1

Designated contracting state (EPC)

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BA ME

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DOCDB simple family (application)

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