

Title (en)

FLOW RECTIFIER FOR AN AXIAL FAN

Title (de)

STRÖMUNGSGLEICHRICHTER FÜR EINEN AXIALLÜFTER

Title (fr)

REDRESSEUR D'ÉCOULEMENT POUR UN VENTILATEUR AXIAL

Publication

**EP 2904277 A2 20150812 (DE)**

Application

**EP 13765661 A 20130827**

Priority

- DE 102012109542 A 20121008
- EP 2013067691 W 20130827

Abstract (en)

[origin: WO2014056657A2] The invention relates to a flow rectifier (1) for an axial fan (2), comprising a base body (3) which has a ring (4a, 4b, 4c, 4d, 4e) that is delimited radially inside and outside by in each case cylindrical surfaces (5, 6), said ring comprising a plurality of air guide vanes (7) which are distributed in the circumferential direction about a longitudinal axis (X-X) and are arranged in an essential radial manner and extend between the cylindrical surfaces (5, 6), wherein the air guide vanes (7), when seen in the circumferential direction, extend with a curvature (R1) relative to the axial direction (X-X) in each case between an inflow-side vane edge (7a) and an outflow-side vane edge (7b). In order to minimize the divergence of an airflow that exits such a flow rectifier (1) at a high volume stream and a high range of throw, it is proposed that two or more rings (4a, 4b, 4c, 4d, 4e) having air guide vanes (7) are provided in the base body (3).

IPC 8 full level

**F04D 29/54** (2006.01)

CPC (source: CN EP US)

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**F04D 29/563** (2013.01 - US); **F04D 29/644** (2013.01 - US); **F04D 29/667** (2013.01 - US)

Citation (search report)

See references of WO 2014056657A2

Cited by

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