Title (en)

FLOW RECTIFIER FOR AN AXIAL FAN

Title (de)

STRÖMUNGSGLEICHRICHTER FÜR EINEN AXIALLÜFTER

Title (fr)

REDRESSEUR D'ÉCOULEMENT POUR UN VENTILATEUR AXIAL

Publication

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Application

EP 13765661 A 20130827

Priority

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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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Citation (examination)

US 2006147304 A1 20060706 - CHO KYUNGSEOK [KR], et al

Cited by

US11168899B2; US11226114B2

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