

Title (en)
INLET NOZZLE FOR A RADIAL, DIAGONAL OR AXIAL-FLOW FAN, AND A RADIAL, DIAGONAL OR AXIAL-FLOW FAN COMPRISING AN INLET NOZZLE

Title (de)
EINSTRÖMDÜSE FÜR EINEN RADIAL-, DIAGONAL- ODER AXIALVENTILATOR UND RADIAL-, DIAGONAL- ODER AXIALVENTILATOR MIT EINER EINSTRÖMDÜSE

Title (fr)
BUSE D'ENTRÉE POUR VENTILATEUR RADIAL, DIAGONAL OU AXIAL ET VENTILATEUR RADIAL, DIAGONAL OU AXIAL ÉQUIPÉ D'UNE BUSE D'ENTRÉE

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Application
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Abstract (en)
[origin: WO2016173595A1] The invention relates to an inlet nozzle (1) for a radial, diagonal or axial-flow fan, comprising an inlet section (3) that is circular in cross-section, has a radius of curvature, and tapers in diameter in the direction of flow (4), characterised by the presence of a measure or a flow element on or in the curved surface (5) of said inlet section for the purpose of forcing turbulent boundary layers in the flow, which can counteract a stall in this region. A radial, diagonal or axial-flow fan comprises a corresponding inlet nozzle (1).

IPC 8 full level
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Opponent : ebm-papst Mulfingen GmbH & Co. KG,
• DE 102012021372 A1 20140430 - ZIEHL ABEGG AG [DE]
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• JP 2004211931 A 20040729 - DAIKIN IND LTD
• JP 2775796 B2 19980716
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