

Title (en)

BLOWER AND AIR CONDITIONER WITH THE BLOWER

Title (de)

LÜFTER UND KLIMAANLAGE MIT DIESEM LÜFTER

Title (fr)

VENTILATEUR ET CONDITIONNEUR D'AIR AVEC VENTILATEUR

Publication

EP 1382856 A1 20040121 (EN)

Application

EP 01274219 A 20011225

Priority

- JP 0111317 W 20011225
- JP 2001129321 A 20010426

Abstract (en)

In a blower having an impeller (1) formed by radially attaching a plurality of blades (3, 3, ...) to an outer periphery of a hub (2), a specific region (Q) that extends in a predetermined width along a trailing edge (3b) of each blade (3) in a wingspan direction is bent towards a negative pressure surface (3f) side of the blade. On the negative pressure surface (3f) side of the blade, airflow separation hardly occurs and turbulence of a rear stream (A0) is suppressed. Meanwhile, on a pressure surface (3e) side of the blade, the airflow discharged rearwards from the trailing edge (3b) becomes smooth and less turbulent. The width of the rear stream (A0) is reduced and the aerodynamic characteristics of the blades are improved.

<IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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