

Title (en)
TURBO FAN AND AIR CONDITIONER

Title (de)
TURBOLÜFTER UND KLIMAAANLAGE

Title (fr)
TURBOVENTILATEUR ET CLIMATISEUR

Publication
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Application
EP 06811172 A 20061004

Priority
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Abstract (en)
[origin: EP1933040A1] The present invention is directed to obtain a turbofan in which a main plate and blades are integrally formed of a thermosetting resin, and which has high reliability in strength and achieves reduced noise. A turbofan includes: a disc-shaped main plate 2; a projected hub 2a for mounting a motor in a space formed by making a center portion of the main plate 2 project in a rotation axis direction; a plurality of blades 3 each of which is vertically provided in the projecting direction of the hub 2a using an outer-periphery-side flat part of the main plate 2 as a base; and a plurality of motor cooling holes 5 which is formed in the hub 2a and communicates with the space in which the motor is mounted. A thermoplastic resin is made to flow in a plurality of hub runners 9a provided radially in the hub 2a, thereby forming the hub 2a, and the motor cooling holes 5 are disposed so as to avoid a resin merging portion A formed between neighboring hub runners 9a.

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Citation (search report)
• [I] US 2003198556 A1 20031023 - KIM NAM-SUNG [KR]
• See references of WO 2007040236A1

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