

Title (en)

AXIAL VENTILATOR WITH EXTERNAL-ROTOR DRIVE MOTOR

Title (de)

AXIALLÜFTER MIT EINEM AUSSENLÄUFER-ANTRIEBSMOTOR

Title (fr)

VENTILATEUR AXIAL COMPRENANT UN MOTEUR D'ENTRAÎNEMENT A INDUCT EXTERIEUR

Publication

EP 1108280 A1 20010620 (DE)

Application

EP 99944510 A 19990825

Priority

- DE 29815682 U 19980901
- EP 9906230 W 19990825

Abstract (en)

[origin: US6507135B1] An axial ventilator has an external-rotor drive motor having an external rotor with a rotor shaft and an internal stator, wherein the external rotor rotates about the internal stator during operation of the external-rotor drive motor. A ventilator wheel driven by the external rotor is provided. A bearing support tube is arranged in the internal stator. A radial plain bearing is arranged in the bearing support tube and supports the rotor shaft. An axial bearing formed by a free end of the rotor shaft and a stationary counter member, against which the free end of the rotor shaft rests, are provided. The stationary counter member comprises a thrust element and an elastomeric shaped member. The thrust element is connected to the elastomeric shaped member. The elastomeric shaped member has a projection on a side facing the thrust element and the thrust element is axially supported on the projection, wherein the elastomeric shaped member is elastically deformable when impacts act on the thrust element in order to absorb, at least partially, the impacts.

IPC 1-7

H02K 5/167; **F16C 27/08**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 0013294A1

Cited by

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