

Title (en)  
TURBO BLOWER AND HIGH SPEED ROTATING BODY USED IN SAME

Title (de)  
TURBOGEBLÄSE UND SELBIGES EINSETZENDER HOCHGESCHWINDIGKEITSDREHKÖRPER

Title (fr)  
TURBO SOUFFLANTE ET CORPS ROTATIF À VITESSE ÉLEVÉE UTILISÉ DANS LADITE TURBO SOUFFLANTE

Publication  
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Application  
**EP 09762632 A 20090608**

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Abstract (en)  
The present invention relates to a turbo blower and a high speed rotation body used in the turbo blower. The turbo blower includes: i) a motor having a motor shaft; ii) a gear housing accommodating a bull gear fitted on the motor shaft and a pinion gear engaged with the bull gear; iii) a high speed rotation body that includes a rotary shaft having the pinion gear on the external circumferential surface, an impeller fitted on one end of the rotary shaft, and a rotation body housing accommodating the rotary shaft, the pinion gear, and at least one first composite bearing and partially cut off to expose the pinion gear, and is partially accommodated in the gear housing; and iv) a scroll portion covering the impeller and discharging compressed air.

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