

Title (en)  
Axial flow fan

Title (de)  
Axiallüfter

Title (fr)  
Ventilateur axial

Publication  
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Application  
**EP 00114849 A 20000711**

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Abstract (en)

[origin: EP1070849A2] An axial flow fan for refrigerators is disclosed. In the axial flow fan of this invention, a hub(51) is mounted to the rotating shaft of a drive motor, with a plurality of blades(55) regularly fixed around the hub(51). A variety of designing factors of the blades, such as the number of blades, hub ratio, sweep angle, pitch angle and maximum camber ratio, are optimally designed to allow a smooth flow of cool air agreeable with both the large pressure loss and complex flow passage of refrigerators while accomplishing a reduction in air flow noise of the refrigerators. A vortex prevention means is provided on the concave back surface of the annular rim formed of the shroud for preventing discharged air from forming a vortex stream in back of the fan. <IMAGE>

IPC 8 full level

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CPC (source: EP)

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Cited by

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