

Title (en)  
Axial ventilator powered by electricity

Title (de)  
Axiallüfter mit elektrischem Antrieb

Title (fr)  
Ventilateur axial doté d'un actionnement électrique

Publication  
**EP 1892421 A2 20080227 (DE)**

Application  
**EP 07013962 A 20070717**

Priority  
DE 102006038655 A 20060818

Abstract (en)  
The blower (1) has a hub (5) for connecting the blower with an electrical driving motor. The hub is formed as cup-shaped, and the connection is formed in a torsion-smooth manner. A front area (5a) is provided with an annulus-like area with reduced wall thickness. The reduced wall thickness is designed as partition. Recesses (7) are arranged in the front area and covered by a foil e.g. adhesive film. The front area is provided with radially running bars. The blower is formed as a single-piece injection molded plastic part.

Abstract (de)  
Die Erfindung betrifft einen Axiallüfter (1) mit einer Nabe (5) zur Verbindung des Axiallüfters mit einem elektrischen Antriebsmotor, wobei die Nabe (5) im Wesentlichen topfförmig ausgebildet ist und einen Stirnbereich (5a) sowie einen im Wesentlichen zylindrischen Umfangsbereich (5b) aufweist. Es wird vorgeschlagen, dass die Verbindung torsionsweich ausgebildet ist.

IPC 8 full level  
**F04D 25/06** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP)  
**F04D 25/0606** (2013.01); **F04D 29/329** (2013.01); **F04D 29/668** (2013.01)

Cited by  
ITUB20152894A1; KR20180037993A; CN108026936A; CN108087332A; US10577941B2; WO2017021935A1; WO2012080035A1; US10975882B2; US11060528B2; DE102009050369A1; WO2011047665A2; EP2381112B1; EP3315788B1

Designated contracting state (EPC)  
DE ES FR GB

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1892421 A2 20080227**; **EP 1892421 A3 20080326**; **EP 1892421 B1 20110518**; DE 102006038655 A1 20080221

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**EP 07013962 A 20070717**; DE 102006038655 A 20060818