

Title (en)
Axial ventilator with flow guidance body

Title (de)
Axialventilator mit Strömungsleitkörper

Title (fr)
Ventilateur axial doté d'un corps de guidage d'écoulement

Publication
EP 2541068 B1 20160810 (DE)

Application
EP 11171974 A 20110629

Priority
EP 11171974 A 20110629

Abstract (en)
[origin: EP2541068A1] The axial fan (1) has a motor which comprises several blades (4) that move a gaseous medium in main flow direction (S) from inlet side (E) to outlet side (A). A rotation-symmetric flow guiding element (5) has an outer diameter (D5) that is greater than the outer diameter (D2) of stator hub (2a) of stator (2), and is greater than the outer diameter (D3) of rotor (3), and smaller than the diameter (D4) of perimeter (U4) of blades. The guiding element is mounted around the blades on the outlet side directly or indirectly on the stator and concentrically with respect to the stator hub.

IPC 8 full level
F04D 29/32 (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)
F04D 29/329 (2013.01 - EP US); **F04D 29/541** (2013.01 - EP US); **F04D 29/547** (2013.01 - EP US); **F04D 29/703** (2013.01 - EP US)

Citation (examination)
US 2008219837 A1 20080911 - CHANG SHUN-CHEN [TW], et al

Cited by
DE102015115308A1; DE102016119916A1; DE102017209291A1; US11255346B2; EP3312427B1

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DOCDB simple family (publication)
EP 2541068 A1 20130102; **EP 2541068 B1 20160810**; CN 102852856 A 20130102; ES 2598229 T3 20170126; US 2013004349 A1 20130103; US 9097261 B2 20150804

DOCDB simple family (application)
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