

Title (en)

Axial ventilator with subsequent flow guide device and device for equalization of the flow speed

Title (de)

Axiallüfter mit nachgeschaltetem Leitapparat und einer Einrichtung zur Vergleichmäßigung der Strömungsgeschwindigkeit

Title (fr)

Ventilateur axial doté d'un appareil directeur connecté en aval et d'un dispositif destiné à l'égalisation du débit

Publication

**EP 2455617 A3 20140423 (DE)**

Application

**EP 11184333 A 20111007**

Priority

DE 102010051759 A 20101117

Abstract (en)

[origin: EP2455617A2] The blower (7) has a diffuser (9) arranged downstream to a blower wheel (19). A control device (23) is arranged between the blower wheel and the diffuser. A confuser (31) is arranged in the diffuser. A ratio between an inlet surface and an outlet surface of the diffuser and/or partial diffusers (29.1-29.3) is smaller than or equal to 0.95. Another ratio between an inlet surface and an outlet surface of the confuser is larger than or equal to 1.04. Flow speed of air at an outlet of the diffuser or the partial diffusers and the confuser are approximately equal.

IPC 8 full level

**F04D 29/54** (2006.01)

CPC (source: EP)

**F04D 29/541** (2013.01); **F04D 29/544** (2013.01); **F04D 29/547** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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