

Title (en)  
RADIAL VENTILATOR

Publication  
**EP 0382845 A4 19901227 (DE)**

Application  
**EP 88906824 A 19880525**

Priority  
SU 8800120 W 19880525

Abstract (en)  
[origin: WO8911596A1] A radial ventilator comprises a spiral casing (1) with a tongue (2) and an inlet opening and an outlet opening (4). A rotor (5) is mounted in the spiral casing (1). The rotor (5) comprises a shaft (6) and a carrying disk (7). On the peryphery of the lateral surface of the disk (7) are fixed blades (9) forming an intra-rotor cavity. A partition is mounted in a cantilever manner on the spiral casing (1). The free end (14) of the partition is located in the intra-rotor cavity with an offset (\$g(a)1?) in relation to the tongue (2) in the direction opposite to that of rotation of the rotor (5). The gap (\$g(d)1?) between the tongue (2) and the projecting edge (11) of the closest blade (9) lies within the range of 0.03 to 0.2 of the distance (R1?) between the axis (O1?-O1?) of rotation of the rotor (5) and the projecting edge (11) of the blade (9).

IPC 1-7  
**F04D 29/66**; **F04D 17/08**

IPC 8 full level  
**F04D 29/44** (2006.01); **F04D 17/08** (2006.01); **F04D 29/42** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)  
**F04D 17/08** (2013.01); **F04D 29/4206** (2013.01); **F04D 29/4226** (2013.01); **F04D 29/663** (2013.01)

Citation (search report)

- [A] GB 1560684 A 19800206 - PITSTOCK PTY LTD
- [A] CH 604014 A5 19780831 - ROEHRS WERNER DR KG
- See references of WO 8911596A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
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