

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)
WO 8911596 A1 19891130; BR 8807679 A 19900605; DK 18990 A 19900124; DK 18990 D0 19900124; EP 0382845 A1 19900822; EP 0382845 A4 19901227; FI 900370 A0 19900124; JP H02504413 A 19901213; NO 900334 D0 19900124; NO 900334 L 19900124

DOCDB simple family (application)
SU 8800120 W 19880525; BR 8807679 A 19880525; DK 18990 A 19900124; EP 88906824 A 19880525; FI 900370 A 19900124; JP 50637388 A 19880525; NO 900334 A 19900124