

Title (en)  
Radial fan

Title (de)  
Radialgebläse

Title (fr)  
Ventilateur radial

Publication  
**EP 1002957 A3 20020116 (DE)**

Application  
**EP 99122993 A 19991119**

Priority  
DE 29820767 U 19981120

Abstract (en)  
[origin: EP1002957A2] The fan has an impeller (10) which has a blade ring (15) on its periphery. A partition (26) which is arranged on one of the side walls, engages with the impeller and divides its interior chamber into two chambers. The blade ring has labyrinth seal-type protrusions and/or cavities (20) directly on the peripheral wall region (19) of the blade ring for preventing the airflow between the impeller and the blade ring.

IPC 1-7  
**F04D 25/16**; **F04D 29/10**

IPC 8 full level  
**F04D 17/04** (2006.01); **F04D 25/16** (2006.01); **F04D 29/10** (2006.01)

CPC (source: EP)  
**F04D 17/04** (2013.01); **F04D 25/166** (2013.01); **F04D 29/102** (2013.01)

Citation (search report)

- [AD] EP 0589300 A1 19940330 - SCHILLING SIEGFRIED W [CH]
- [A] DE 19501816 A1 19960725 - KOERTING AG [DE]
- [A] EP 0420786 A1 19910403 - CARRIER CORP [US]

Cited by  
EP1188930A1; EP1528258A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1002957 A2 20000524**; **EP 1002957 A3 20020116**; **EP 1002957 B1 20030813**; AT E247231 T1 20030815; DE 29820767 U1 19990114; DE 59906574 D1 20030918; ES 2200457 T3 20040301

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