

Title (en)  
Fan device

Title (de)  
Gebläseanordnung

Title (fr)  
Dispositif de soufflante

Publication  
**EP 0874160 A3 19991117 (DE)**

Application  
**EP 98104805 A 19980317**

Priority  
DE 19717154 A 19970423

Abstract (en)  
[origin: EP0874160A2] A guide wheel encloses the centrifugal rotor (3) and is accommodated with it in a common housing (13) joined to the motor housing (10). The rotor has a supporting disc (4), from which blades (5) protrude in the axial direction, a cover plate (6) being fitted over their outer ends. At the inlet opening (17) the housing overlaps the inner peripheral edge (20) of the plate, leaving an intervening gap (21). At the overlap, an elastic seal (23) adheres to the housing (13) and bears against the plate without sticking to it, filling the intervening gap (21). At the plate inner edge, a coating can be applied, preventing the seal sticking to it, being typically of sheet material.

IPC 1-7  
**F04D 29/16**

IPC 8 full level  
**F04D 29/00** (2006.01); **F04D 29/16** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP KR)  
**F04D 29/162** (2013.01 - EP KR); **F04D 29/441** (2013.01 - KR)

Citation (search report)

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- [A] DE 2109409 A1 19720907 - LUFT U KAELETETECHNIK VEB K
- [A] DE 966633 C 19570829 - BRUNO ECK DR ING
- [AD] EP 0467557 A1 19920122 - HITACHI LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 095, no. 011 26 December 1995 (1995-12-26)

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

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**EP 0874160 A2 19981028; EP 0874160 A3 19991117**; CZ 122398 A3 19990512; DE 19717154 A1 19981029; JP H10299696 A 19981110; KR 19980080966 A 19981125; PL 325797 A1 19981026; TR 199800733 A2 19981123

DOCDB simple family (application)  
**EP 98104805 A 19980317**; CZ 122398 A 19980422; DE 19717154 A 19970423; JP 10938098 A 19980420; KR 19980011402 A 19980401; PL 32579798 A 19980414; TR 9800733 A 19980421