

Title (en)
Side-channel compressor

Title (de)
Seitenkanalverdichter

Title (fr)
Compresseur à canal latéral

Publication
EP 0763661 A3 19980722 (DE)

Application
EP 96114029 A 19960902

Priority
DE 19534296 A 19950915

Abstract (en)
[origin: EP0763661A2] The compressor has a two-part compressor housing containing a rotor which is driven by the drive output shaft of a drive motor. The output shaft fits through an opening in one compressor housing half into engagement with the rotor hub. The compressor housing is made of plastics, with the gap between the rotor and the housing sealed by a sealing element. The sealing element encloses the peripheral edge of the insertion opening for the drive output shaft with a defined radial play. The rotor blades are attached to a carrier ring, axially projecting beyond the hub on at least one side, with the sealing element provided adjacent the carrier ring.

IPC 1-7
F04D 23/00; **F04D 29/08**

IPC 8 full level
F04D 23/00 (2006.01); **F04D 29/08** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP KR)
F04D 23/00 (2013.01 - KR); **F04D 23/008** (2013.01 - EP); **F04D 29/023** (2013.01 - EP); **F04D 29/083** (2013.01 - EP); **F05D 2300/43** (2013.01 - EP)

Citation (search report)

- [A] US 5049770 A 19910917 - GAETH GERALD A [US], et al
- [A] US 3095820 A 19630702 - SANBORN DANIEL S, et al
- [A] FR 2199340 A5 19740405 - SIEMENS AG [DE]
- [AD] DE 8704066 U1 19880714

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

DOCDB simple family (publication)
EP 0763661 A2 19970319; **EP 0763661 A3 19980722**; **EP 0763661 B1 20020717**; AT E220764 T1 20020815; AU 6563796 A 19970320; CN 1147601 A 19970416; DE 59609444 D1 20020822; JP H09112485 A 19970502; KR 970016149 A 19970428

DOCDB simple family (application)
EP 96114029 A 19960902; AT 96114029 T 19960902; AU 6563796 A 19960913; CN 96109300 A 19960807; DE 59609444 T 19960902; JP 26245196 A 19960911; KR 19960038351 A 19960905