

Title (en)  
Turbo compressor

Title (de)  
Turboverdichter

Title (fr)  
Turbo-compresseur

Publication  
**EP 1069313 A3 20020515 (DE)**

Application  
**EP 00810275 A 20000331**

Priority  
• EP 00810275 A 20000331  
• EP 99810640 A 19990716

Abstract (en)  
[origin: CA2312085A1] The turbocompressor (1) comprises an outwardly gas-tight housing (6) within which an electric motor (2) and also a multistage radial turbocompressor (3) are arranged on a common shaft (13) wherein, for the journalling of the shaft (13), electromagnetic radial bearings (5) are arranged spaced apart in the direction of its extent and wherein a gas seal (19) surrounding the shaft (13) is arranged between the electric motor (2) and the radial turbocompressor (3) in order to seal off the electric motor (2) with respect to the radial turbocompressor (3), wherein the electric motor (2) has an inner space (9b, 9c) which is connected in fluid conducting manner to an outlet opening (6h; 21) which passes through the housing.

IPC 1-7  
**F04D 25/06**; **F04D 17/12**; **F04D 29/58**; **F04D 29/04**; **F04D 29/12**; **F04D 17/16**

IPC 8 full level  
**F04B 3/00** (2006.01); **F04B 17/00** (2006.01); **F04B 17/03** (2006.01); **F04B 35/00** (2006.01); **F04B 35/02** (2006.01); **F04D 1/06** (2006.01); **F04D 13/06** (2006.01); **F04D 17/12** (2006.01); **F04D 17/16** (2006.01); **F04D 25/02** (2006.01); **F04D 25/06** (2006.01); **F04D 29/04** (2006.01); **F04D 29/056** (2006.01); **F04D 29/058** (2006.01); **F04D 29/10** (2006.01); **F04D 29/12** (2006.01); **F04D 29/28** (2006.01); **F04D 29/44** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP KR US)  
**F04D 17/12** (2013.01 - EP KR US); **F04D 25/0606** (2013.01 - EP US); **F04D 25/0686** (2013.01 - EP US); **F04D 29/058** (2013.01 - EP US); **F04D 29/5806** (2013.01 - EP US)

Citation (search report)  
• [XY] US 4523896 A 19850618 - LHENRY BERNARD [FR], et al  
• [YD] DE 3729486 C1 19881215 - GUTEHOFFNUNGSHUETTE MAN  
• [A] GB 812046 A 19590415 - THOMSON HOUSTON COMP FRANCAISE  
• [A] FR 1178519 A 19590512 - COMMISSARIAT ENERGIE ATOMIQUE

Cited by  
US8221095B2; CN110953250A; CN111043069A; DE102010041210A1; RU2670993C1; NO326735B1; GB2453093A; GB2453093B; EP1467104A1; FR2853700A1; NO342391B1; US8801398B2; US8632320B2; WO2008002148A1; WO2007110281A1; US9470238B2; DE102009045633A1; WO2011044892A1; US9291073B2; EP2462350A1; EP2290241A1; EP2315946A1; EP2761187A1; EP2295811A1; EP2113671A1; EP2469100A1

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)  
**DE 20011217 U1 20000907**; CA 2312085 A1 20010116; CA 2312085 C 20031021; CN 1153906 C 20040616; CN 1281100 A 20010124; EP 1069313 A2 20010117; EP 1069313 A3 20020515; EP 1069313 B1 20050914; JP 2001041199 A 20010213; JP 4395242 B2 20100106; KR 100761917 B1 20070928; KR 20010015306 A 20010226; US 6390789 B1 20020521

DOCDB simple family (application)  
**DE 20011217 U 20000626**; CA 2312085 A 20000621; CN 00120112 A 20000717; EP 00810275 A 20000331; JP 2000192340 A 20000627; KR 20000039923 A 20000712; US 59909800 A 20000620