

Title (en)

Compressor apparatus and method of its operation

Title (de)

Kompressorvorrichtung und Verfahren zum Betrieb derselben

Title (fr)

Dispositif de compression et méthode de son opération

Publication

**EP 1482179 B1 20061213 (DE)**

Application

**EP 04405421 A 20040705**

Priority

- EP 04405421 A 20040705
- EP 03405502 A 20030705

Abstract (en)

[origin: EP1482179A1] The compression unit has a radial compressor (35) and electric drive motor (31) installed in a pressure casing (1) with a gas inlet (2) and gas outlet (3), and an encapsulated device (4) with an internal chamber (6). The internal chamber is connected to a pressure reducing device (37) which is constructed in such a way that the latter can effect a reduction in pressure in the chamber. The pressure reducing device consists at least of a connecting pipe (8) to the space outside the pressure casing. An independent claim is included for a method for the operating of a compression unit whereby pressure inside the internal chamber of an encapsulated device is influenced in such a way that it is kept less than or the same as the process pressure inside the pressure casing in all operating states.

IPC 8 full level

**F04D 25/06** (2006.01); **F04D 23/00** (2006.01); **F04D 29/04** (2006.01); **F04D 29/058** (2006.01)

CPC (source: EP)

**F04D 25/0606** (2013.01); **F04D 25/0686** (2013.01); **F04D 29/058** (2013.01)

Cited by

WO2009068407A1; CN101956712A; CN101878347A; DE102006049326A1; CN103562553A; US7508101B2; US8801398B2; US8632320B2; WO2007110281A1; WO2015014522A1; WO2012166325A1; US8529217B2; US9470238B2; US10612551B2; EP2462350A1; EP2290241A1; EP2315946A1; EP2113671A1; EP2469100A1; EP2295811A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1482179 A1 20041201; EP 1482179 B1 20061213**

DOCDB simple family (application)

**EP 04405421 A 20040705**