

Title (en)

Motorcompressor unit with torsionally flexible coupling placed in a hollow shaft of the compressor

Title (de)

Motorkompressor mit Drehkupplung in einer Hohlwelle des Kompressors

Title (fr)

Groupe motocompresseur à accouplement torsible placé dans un arbre creux du compresseur

Publication

**EP 2469100 B1 20150812 (FR)**

Application

**EP 11194395 A 20111219**

Priority

FR 1061068 A 20101222

Abstract (en)

[origin: EP2469100A1] The unit (1) has a motor (3) and a compressor (2) that are mounted in a compressed gas seal housing (4). The motor includes a rotor (39) connected in rotation with a rotor (38) of the compressor. The rotor of the compressor includes a connecting shaft (21) coaxial with a main shaft (11). The connecting shaft is partially arranged within the main shaft so as to be radially spaced from the main shaft. The connecting shaft includes a coupling region (15) coupled with the main shaft. Two bearings (16, 17) support the main shaft. The connecting shaft extends beyond one of the bearings.

IPC 8 full level

**F04D 29/054** (2006.01)

CPC (source: EP US)

**F04D 17/122** (2013.01 - EP US); **F04D 29/0405** (2013.01 - US); **F04D 29/044** (2013.01 - US); **F04D 29/054** (2013.01 - EP US)

Cited by

CN110023628A; US10697421B2; US11136986B2; US11098726B2; WO2016170012A1; WO2017207411A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2469100 A1 20120627; EP 2469100 B1 20150812**; CN 102606493 A 20120725; FR 2969722 A1 20120629; FR 2969722 B1 20130104; US 2012164005 A1 20120628; US 9222481 B2 20151229

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