

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; US11098726B2; US11136986B2; WO2016170012A1; WO2017207411A1

Designated contracting state (EPC)

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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

DOCDB simple family (application)

EP 11194395 A 20111219; CN 201110463229 A 20111222; FR 1061068 A 20101222; US 201113331456 A 20111220