

Title (en)

Partition for sealing the rear section of a radial compressor

Title (de)

Zwischenwand zur Abdichtung des Rückraums eines Radialverdichters

Title (fr)

Paroi intermédiaire pour isoler de façon étanche l'espace arrière d'un compresseur radial

Publication

**EP 2772652 A3 20180328 (DE)**

Application

**EP 14155860 A 20140220**

Priority

DE 102013203455 A 20130228

Abstract (en)

[origin: EP2772652A2] The wall (40) has a peripheral rotationally symmetrical disk-shaped base body provided with a central opening for passage of a rotor. A rotationally symmetrical shaped mounting flange (41) is provided for fixing the wall to a bearing housing (30) and provided with a planar contact surface for resting on a contact surface of the bearing housing. A sealing air passage (42) comprises holes (43) distributedly arranged in a circumferential direction of a virtual circumference for retaining of a fastening unit (50). A groove retains a seal ring. Independent claims are also included for the following: (1) a bearing device for supporting a rotor of a compressor (2) a radial compressor.

IPC 8 full level

**F04D 29/10** (2006.01); **F01D 11/04** (2006.01); **F04D 29/056** (2006.01)

CPC (source: EP)

**F01D 11/04** (2013.01); **F04D 29/056** (2013.01); **F04D 29/102** (2013.01); **F01D 5/043** (2013.01); **F05D 2220/40** (2013.01); **F05D 2260/6022** (2013.01)

Citation (search report)

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- [X] DE 102006048784 A1 20080417 - MAN DIESEL SE [DE]
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- [X] US 2012167595 A1 20120705 - OTTOW NATHAN WESLEY [US], et al
- [X] EP 2067999 A1 20090610 - NAPIER TURBOCHARGERS LTD [GB]
- [X] JP H11148492 A 19990602 - ASEA BROWN BOVERI

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CN109209520A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2772652 A2 20140903**; **EP 2772652 A3 20180328**; **EP 2772652 B1 20211006**; CN 104018933 A 20140903; CN 104018933 B 20161012; DE 102013203455 A1 20140828; JP 2014169699 A 20140918; JP 5850965 B2 20160203; KR 101617938 B1 20160518; KR 20140108123 A 20140905

DOCDB simple family (application)

**EP 14155860 A 20140220**; CN 201410070472 A 20140228; DE 102013203455 A 20130228; JP 2014037975 A 20140228; KR 20140017773 A 20140217