

Title (en)

DEVICE FOR SEALING OFF A BEARING HOUSING OF AN EXHAUST-GAS TURBOCHARGER

Title (de)

VORRICHTUNG ZUM ABDICHTEN EINES LAGERGEHÄUSES EINES ABGASTURBOLADERS

Title (fr)

DISPOSITIF PERMETTANT D'ÉTANCHÉIFIER UN LOGEMENT DE PALIER D'UN TURBOCOMPRESSEUR

Publication

EP 2334961 A1 20110622 (DE)

Application

EP 09814099 A 20090520

Priority

- EP 2009056171 W 20090520
- EP 08164600 A 20080918
- EP 09814099 A 20090520

Abstract (en)

[origin: EP2166259A1] The device has a sliding surface arranged on a front side (51) of a pre-stressed sealing ring (5) i.e. shaft seal, and another sliding surface arranged on an edge (21) of a groove (22). Another edge (23) of the groove has a circular recess (26) guided around an axis of rotation, such that the recess is limited radially outward by a circular body (24) molded into a rotor (R). The body forms a section of an outer surface of the rotor and has a circular edge (25) attached at the outer surface. The circular edge reduces the size of a grinding surface, during butting of the ring at the edge (23). An independent claim is also included for an exhaust turbo charger comprising a turbine.

IPC 8 full level

F16J 15/44 (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP KR US)

F01D 11/00 (2013.01 - KR); **F01D 11/003** (2013.01 - EP US); **F02C 6/12** (2013.01 - EP US); **F02C 7/28** (2013.01 - EP US); **F16J 15/44** (2013.01 - KR); **F16J 15/441** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2240/55** (2013.01 - EP US)

Citation (search report)

See references of WO 2010031604A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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