

Title (en)
Turbomachine shaft seal arrangement

Title (de)
Läuferwellen-Abdichteinrichtung einer Turbomaschine

Title (fr)
Joint d'arbre d'une turbomachine

Publication
EP 1688589 B1 20121128 (DE)

Application
EP 05002505 A 20050207

Priority
EP 05002505 A 20050207

Abstract (en)
[origin: EP1688589A1] The turbocharger has a compressor wheel arranged in a compressor housing and a turbine wheel arranged in a turbine housing. A rotor shaft is guided in a bearing housing and is fastened to the turbine wheel and the compressor wheel. A rotor shaft sealing device (8) is arranged between a turbine side end region of the bearing housing and the rotor shaft. The sealing device is formed as a gas-lubricated slip ring sealing device. An independent claim is also included for a method of mounting a rotor shaft sealing device.

IPC 8 full level
F01D 11/00 (2006.01); **F01D 25/18** (2006.01); **F16J 15/36** (2006.01)

CPC (source: EP KR US)
F01D 11/003 (2013.01 - EP US); **F01D 25/183** (2013.01 - EP US); **F21V 17/12** (2013.01 - KR); **F21V 33/0064** (2013.01 - KR); **F05D 2220/40** (2013.01 - EP US); **F05D 2230/60** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - KR)

Cited by
DE102017217534A1; CN103470315A; WO2018099592A1

Designated contracting state (EPC)
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EP 1688589 A1 20060809; EP 1688589 B1 20121128; CN 1818435 A 20060816; CN 1818435 B 20130731; JP 2006220148 A 20060824; JP 4762737 B2 20110831; KR 101195543 B1 20121029; KR 20060090197 A 20060810; US 2006177319 A1 20060810; US 7789636 B2 20100907

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