

Title (en)

Shaft sealing for a turbo engine

Title (de)

Wellendichtung für eine Turbomaschine

Title (fr)

Joint d'étanchéité d'arbre pour turbomachine

Publication

EP 2009286 B1 20100728 (DE)

Application

EP 07012721 A 20070628

Priority

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Abstract (en)

[origin: EP2009286A1] The seal has a magnetic bearing rotor and a magnetic bearing stator, where the seal is implemented as a magnetic bearing (19) for sealing a rotor (9) of a turbomachine e.g. single shaft-turbo compressor (1). The magnetic bearing is controllable in such a manner that active forces are applied on the rotor by the magnetic bearing. The magnetic bearing rotor and the magnetic bearing stator are implemented in the form of a labyrinth, a hole pattern seal, a honeycomb or a smooth slot. The bearing stator is mounted at a housing of the turbomachine.

IPC 8 full level

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CPC (source: EP)

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Cited by

EP2253852A1; CN112112896A; CN103161738A; US2013195609A1; US9169846B2; WO2015176830A1; EP2295811B1

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