

Title (en)

AXIAL TURBO ENGINE ROTOR WITH SEALING DISC

Title (de)

AXIALTURBOMASCHINENROTOR MIT DICHTSCHEIBE

Title (fr)

ROTOR DE TURBOMACHINE AXIALE DOTÉ D'UN DISQUE D'ÉTANCHÉITÉ

Publication

EP 2414641 B1 20130703 (DE)

Application

EP 10715749 A 20100326

Priority

- EP 2010054001 W 20100326
- EP 09004781 A 20090331
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Abstract (en)

[origin: EP2239419A1] The axial turbo machine rotor, particularly gas turbine, has a rotor body formed in a rotation symmetrical manner around the rotor axis, a rotor blade ring having a multiple rotor blades fixed to the rotor body by a blade foot. A sealing disk (7) is formed in a rotation symmetrical manner around the rotor axis that is arranged to the outer edge (10) adjacent to an axially extending protrusion (6) of the blade foot, so that a hollow space (9) is formed between the blade foot and the sealing disk. A sealing ring (14) is formed by multiple sealing ring segments arranged in circumferential manner.

IPC 8 full level

F01D 5/30 (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

F01D 5/3015 (2013.01 - EP US); **F01D 11/006** (2013.01 - EP US)

Cited by

EP2957725A1; CN105658912A; WO2015193033A1; EP3564489A1; WO2019211091A1; US11319824B2

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DOCDB simple family (publication)

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