

Title (en)
Sealing device and turbo-machine

Title (de)
Dichteinrichtung und Strömungsmaschine

Title (fr)
Dispositif d'étanchéité et turbomachine

Publication
EP 2818643 B1 20180808 (DE)

Application
EP 14172050 A 20140612

Priority
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Abstract (en)
[origin: US2015001811A1] A sealing device (1) is disclosed for sealing a radially inner gas channel (2) between a guide vane ring (4) and a rotor (6) of a turbomachine, wherein the sealing device (1) has a sealing ring (8) for forming a sealed space (10) with a rear segment, with an inner wall structure (30) oriented in the opposite direction, which are joined to each other via an annular arch (32), wherein the radial flange (18) transitions into the outer wall structure (28) and the cylinder (26) forms the sealing ring (8), wherein the inner wall structure (30) transitions, via an annular web (36), into at least one inner body segment (38, 50), wherein the sealing device (1) has a uniform, preferably relatively reduced wall thickness over its individual segments integrally formed with one another, so that the sealing device (1) is resilient within certain limits.

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Cited by
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