

Title (en)
SHROUD SEAL SEGMENTS ARRANGEMENT IN A GAS TURBINE

Title (de)
DECKBANDVORRICHTUNG EINER GASTURBINE

Title (fr)
JOINT ANNULAIRE D'ENVELOPPE POUR TURBINE À GAZ

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Application
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Abstract (en)
[origin: WO2010009997A1] The invention relates to a gas turbine (10) comprising a rotor which can be rotated about an axis and is equipped with rotor blades (B1), and which is concentrically surrounded at a distance by a housing equipped with guide vanes (V1, V2) such that a ring-shaped hot gas channel (29) is formed, wherein rings having guide vanes (V1, V2) and rotor blades (B1) are alternately arranged in the axial direction, and heat-exchange segments (11) are provided between adjacent guide vanes (V1, V2). Said heat-exchange segments outwardly bound the hot gas channel (29) in the area of the rotor blades (B1) and are cooled by impingement cooling, wherein a cooling medium, especially cooling air, flows into the heat-exchange segment (11) from an external ring cavity (30). For such a gas turbine (10), more effective cooling is made possible in that the number of heat-exchange segments (11) and adjacent guide vanes (V1, V2) in the rings is equal.

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