

Title (en)

Rotor assembly for a gas turbine, gas turbine including said rotor assembly and method for cooling said rotor assembly

Title (de)

Rotoranordnung für eine Gasturbine, Gasturbine mit der Rotoranordnung und Verfahren zum Kühlen der Rotoranordnung

Title (fr)

Ensemble rotor pour turbine à gaz, turbine à gaz comprenant le dit ensemble rotor et procédé de refroidissement dudit ensemble rotor

Publication

EP 2146051 B1 20110907 (EN)

Application

EP 08425485 A 20080717

Priority

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Abstract (en)

[origin: EP2146051A1] A rotor assembly (2) for a gas turbine (1) is provided with a rotor ring (3) extending about a longitudinal axis; a plurality of rotor blades (4) radially arranged about the rotor ring (3) and having an end portion (7) fixed to the rotor ring (3); and a plurality of sealing elements (30) arranged side-by-side in a circumferential direction, each of which is adapted to be coupled to the rotor ring (3) and to at least one blade (4) and is provided with an external face (32) adapted to be arranged in contact with a hot working fluid in the gas turbine (1) and with an internal face (33) adapted to be arranged in contact with a cooling fluid of the gas turbine (1); the blades (4) and the sealing elements (30) are shaped so as to form, when reciprocally coupled, at least one annular cooling channel (37) adapted to be traveled through by the cooling fluid.

IPC 8 full level

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CPC (source: EP)

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