

Title (en)

DEVICE FOR EFFECTING HEAT TRANSFER TO ROTATING EQUIPMENT, IN PARTICULAR GAS TURBINES

Title (de)

ANORDNUNG ZUR BEEINFLUSSUNG DES WÄRMEÜBERGANGS IN ROTIERENDEN EINRICHTUNGEN, INSBESONDERE IN GASTURBINEN

Title (fr)

DISPOSITIF DESTINE A INFLUENCER LA TRANSITION THERMIQUE DANS DES APPAREILS ROTATIFS, NOTAMMENT DES TURBINES A GAZ

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004074638A1] The invention relates to a device for effecting heat transfer to rotating equipment, in particular gas turbines. A gas turbine (10) comprises a first rotating unit (11), i.e. an internal shaft and a second fixed unit (16), i.e. a housing. A third rotating unit (14, 17), i.e. rotor blades and plates connected to said rotor blades are disposed between the first unit (11) and the second unit (16). Said first (11) and third (14, 17) units are rotatable around a common axis (12) and with respect to each other. According to said invention, at least one device (21) for improving heat transfer by convection is assigned to the first rotating unit (11), i.e. the internal shaft.

IPC 1-7

**F01D 1/24**; **F01D 1/26**; **F02C 3/067**; **F02K 3/072**; **F01D 5/08**; **F02C 7/12**

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CPC (source: EP US)

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