

Title (en)
GAS TURBINE WITH PYROMETER

Title (de)
GASTURBINE MIT PYROMETER

Title (fr)
TURBINE À GAZ DOTÉE D'UN PYROMÈTRE

Publication
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Application
EP 12726080 A 20120531

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Abstract (en)
[origin: WO2012175302A1] The invention relates to a gas turbine with at least one stationary stator blade and at least one rotor blade that can be rotated during operation. The gas turbine has at least one optical waveguide embedded into a first rotor blade. The optical waveguide is oriented such that thermal radiation of a region of the first stator blade can be detected by the optical waveguide. An analyzing device is designed to analyze the thermal radiation and to ascertain the temperature of the region of the first stator blade, the temperature being ascertainable along a path from which the radiation is emitted during the rotation of the first rotor blade.

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See references of WO 2012175302A1

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