

Title (en)

GAS TURBINE COMPRISING A UNIT FOR DETECTING A SHAFT RUPTURE

Title (de)

GASTURBINE MIT EINER EINRICHTUNG ZUR DETEKTION EINES WELLENBRUCHS

Title (fr)

TURBINE A GAZ POURVUE D'UN DISPOSITIF DE DETECTION D'UNE RUPTURE DE L'ARBRE

Publication

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Application

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Abstract (en)

[origin: WO2007028354A1] The invention relates to a gas turbine comprising a unit for detecting a shaft rupture in a rotor of a turbine (10), at least one sensor element (18) being positioned on the stator side downstream of the turbine (10). If a shaft ruptures in the rotor of the turbine (10), a radial outer section (19) of the last blade ring of the turbine (10) on the rotor side, (when viewed in the flow direction), co-operates with the sensor element(s) (18) in order to generate an electric signal that corresponds to the shaft rupture.

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