

Title (en)

METHOD FOR MODERNISING A GAS TURBINE PLANT AND GAS TURBINE PLANT

Title (de)

VERFAHREN ZUR MODERNISIERUNG EINER GASTURBINENANLAGE SOWIE GASTURBINENANLAGE

Title (fr)

PROCÉDÉ DE MODERNISATION D'UNE INSTALLATION DE TURBINE À GAZ ET TURBINE À GAZ

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Application

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Abstract (en)

[origin: WO2021018495A1] The invention relates to a method for upgrading a gas turbine (1), said method comprising the steps of: a) removing all guide vanes (4) of the first guide vane stage; b) replacing the removed guide vanes (4) of the first guide vane stage with new or reconditioned guide vanes (4), wherein blade platforms (11) of the new or reconditioned guide vanes (4) are provided with cooling air bores (19) which fluidically connect a cooling air supply duct (12) to the annular gap (10) and open into the annular gap (10), and wherein the cooling air bores (19) are arranged in such a manner that more cooling air bores (19) open into regions of an annular gap (10) that are arranged radially inwards from leading edges (13) of the guide vanes (4) than in other regions of the annular gap (10). The invention further relates to a correspondingly upgraded gas turbine (1).

IPC 8 full level

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