

Title (en)

METHOD FOR REPAIRING OR RENEWING COOLING HOLES OF A COATED COMPONENT OF A GAS TURBINE

Title (de)

VERFAHREN ZUM REPARIEREN ODER ERNEuern VON KÜHLLÖCHERN EINER BESCHICHTETEN KOMPONENTE EINER GASTURBINE

Title (fr)

PROCEDE POUR REPARER OU REMETTRE EN ETAT DES TROUS DE REFROIDISSEMENT D'UN COMPOSANT ENDUIT D'UNE TURBINE A GAZ

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Application

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Abstract (en)

[origin: WO2006106061A1] The present invention relates to a method for repairing or renewing cooling holes of a coated component of a gas turbine, having the following steps: - removal of an old coating from an outer side (2) of the component (1). The cooling hole (5) has an old cross section after removal of the old coating in a longitudinal section (11), which old cross section is greater than a setpoint cross section which the cooling hole (5) has in an original new state of the finished component in this longitudinal section. - application of a new coating (3', 4') to the component (1) at least in the longitudinal section (11) of the cooling hole (5), in such a way that the cooling hole has an intermediate cross section (16) in the longitudinal section (11), which intermediate cross section (16) is smaller than the setpoint cross section (6), - partial removal of the new coating (3', 4') within the cooling hole (5), in such a way that the cooling hole (5) has a new cross section (18) in the longitudinal section (11), which new cross section (18) is approximately as large as the setpoint cross section (6).

IPC 8 full level

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