

Title (en)

METHOD OF REPAIRING A SHROUD SEGMENT OF A GAS TURBINE

Title (de)

VERFAHREN ZUR REPARATUR EINES MANTELRINGSEGMENTS EINER GASTURBINE

Title (fr)

PROCEDE DE REPARATION D'UN SEGMENT ANNULAIRE D'ENVELOPPE D'UNE TURBINE A GAZ

Publication

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Application

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Priority

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Abstract (en)

[origin: DE102005055984A1] In a process to repair the compressor or high-pressure stage shroud in a gas turbine aero engine, the shroud is removed from the engine and the damaged inner surface of the respective segment is removed by abrasion. A replacement insert is fabricated by casting or injection molding metal powder to the correct inner radius and outer profile to match the remaining undamaged shroud segment. The replacement segment is offered up to the undamaged segment and welded at its outer margin in a vacuum. The interface materials between the replacement material and the undamaged segment are then united in a hot isostatic press.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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