

Title (en)

PROTECTION AGAINST OXIDATION OR CORROSION OF A HOLLOW PART MADE OF A SUPERALLOY

Title (de)

SCHUTZ GEGEN OXIDATION ODER KORROSION EINES HOHLKÖRPERS AUS EINER SUPERLEGIERUNG

Title (fr)

PROTECTION CONTRE L'OXYDATION OU LA CORROSION D'UNE PIECE CREUSE EN SUPERALLIAGE

Publication

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Application

EP 21762511 A 20210805

Priority

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Abstract (en)

[origin: WO2022029388A1] The present document relates to a protection method, for protecting at least one hollow internal region (13, 14) of a turbomachine part (2), made of a superalloy, from oxidation and/or corrosion, said at least one hollow internal region having been formed using at least one core made of ceramic material bounded by a surrounding external surface (26), characterized in that, prior to adding the superalloy around the ceramic core, said external surface is coated with a material comprising at least: – a nanometre-scale layer of hafnium (Hf) and/or – a micrometer-scale layer of platinum (Pt), or – a mixture of at least hafnium and platinum.

IPC 8 full level

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