

Title (en)

A COATING SYSTEM FOR A COMPONENT OF A GAS TURBINE ENGINE

Title (de)

BESCHICHTUNGSSYSTEM FÜR EINE KOMPONENTE EINES GASTURBINENTRIEBWERKS

Title (fr)

SYSTÈME DE REVÊTEMENT D'UN COMPOSANT D'UN MOTEUR À TURBINE À GAZ

Publication

EP 3957827 A1 20220223 (EN)

Application

EP 20425031 A 20200818

Priority

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Abstract (en)

The coating system for a component of a gas turbine engine comprises a bond coat BC layer (2) and a thermal barrier coating TBC layer (3) above the BC layer (2) . The BC layer (2) has a thickness in the range 180-300 micrometers and a roughness Ra of its surface facing the TBC layer (3) in a range 12.8-19.0 micrometers. The TBC layer (3) has a thickness in the range 200-700 micrometers and a porosity in the range 15.0-23.0 vol %. The ends of ranges are included in the ranges.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

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Designated contracting state (EPC)

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