

Title (en)

SURFACE PREPARATION PROCESS COMPATIBLE WITH Y/Y' COATING AND THE SPS DEPOSITION PROCESS

Title (de)

MIT Y/Y' BESCHICHTUNG KOMPATIBLES OBERFLÄCHENHERSTELLUNGSVERFAHREN UND SPS-ABSCHIEDUNGSVERFAHREN

Title (fr)

PROCÉDÉ DE PREPARATION DE SURFACE COMPATIBLE AVEC LE REVÊTEMENT Y/Y' ET LE PROCÉDÉ DE DÉPÔT SPS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2022029392A1] The invention relates to a process for coating a substrate using a thermal barrier, comprising at least the following steps: – a step of creating a first roughness on the surface of the substrate by means of at least a chemical or electrochemical attack, the first roughness being characterized by a maximum roughness value Rz1 and an arithmetic mean of the roughness along the profile Ra1; – a step of depositing an undercoat; – a step of creating a second roughness on the surface of the undercoat by means of at least sandblasting or electrochemical attack, the second roughness being characterized by a maximum roughness value Rz2 and an arithmetic mean of the roughness along the profile Ra2, the values Rz2 and Ra2 being smaller than the roughness values Rz1 and Ra1; a step of depositing a thermal barrier by SPS.

IPC 8 full level

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