

Title (en)

PART MADE OF SILICON-BASED CERAMIC OR CMC AND METHOD FOR PRODUCING SUCH A PART

Title (de)

TEIL AUS KERAMIK ODER CMC AUF SILIKONBASIS UND VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN TEILS

Title (fr)

PIÈCE EN CÉRAMIQUE OU CMC À BASE DE SILICIUM ET PROCÉDÉ DE RÉALISATION D'UNE TELLE PIÈCE

Publication

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Application

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Abstract (en)

[origin: WO2020225508A1] The invention relates to a part made of silicon-based ceramic material or silicon-based ceramic matrix composite (CMC) comprising an environmental barrier coating (EBC), the coating (12, 13) comprising a bonding layer (12) arranged on the surface of the ceramic material or ceramic matrix composite (CMC), the bonding layer (12) being topped by one or more layers which together form a multi-functional protective structure (13). The invention is characterised in that the bonding layer (12), at its interface with the multi-functional structure, comprises a layer (12) or sub-layer (12b) made of polycrystalline silicon.

IPC 8 full level

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Citation (search report)

See references of WO 2020225508A1

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