

Title (en)
SUPERALLOY AIRCRAFT PART COMPRISING A COOLING CHANNEL

Title (de)
SUPERLEGIERUNGSFLUGZEUGTEIL MIT KÜHLKANAL

Title (fr)
PIECE D'AERONEF EN SUPERALLIAGE COMPRENANT UN CANAL DE REFROIDISSEMENT

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Application
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Abstract (en)
[origin: WO2021089945A1] The present invention relates to a part comprising a substrate made of a nickel-based superalloy, the substrate having a first average mass fraction of one or more first elements chosen from hafnium, silicon and chromium, the substrate comprising at least one open cavity in the part and preferably a cooling channel, the substrate further comprising a surface layer at least partially forming the cavity, the surface layer having a second average mass fraction of the first element or first elements which is strictly greater than the first average mass fraction.

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