

Title (en)

NICKEL BASED ALLOY WITH LOW DENSITY AND MECHANICAL AND ENVIRONMENTAL STRENGTH AT HIGH TEMPERATURE

Title (de)

NICKELBASISSUPERLEGIERUNG MIT GERINGER DICHT E UND HOHER MECHANISCHER FESTIGKEIT UND FESTIGKEIT GEGEN UMWELTEINFLÜSSE BEI HOHER TEMPERATUR

Title (fr)

SUPERALLIAGE A BASE DE NICKEL A FAIBLE DENSITE ET AVEC UNE TENUE MECANIQUE ET ENVIRONNEMENTALE ELEVEE A HAUTE TEMPERATURE

Publication

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Application

EP 20706568 A 20200114

Priority

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Abstract (en)

[origin: WO2020148503A1] The invention relates to a nickel-based superalloy comprising, in weight percentages, 6 to 8% of aluminum, 12 to 15% of cobalt, 4 to 8% of chromium, 0 to 0.2% of hafnium, 0.5 to 4% of molybdenum, 3.5 to 6% of rhenium, 4 to 6% of tantalum, 1 to 3% of titanium, 0 to 2% of tungsten, 0 to 0.1% of silicon, the remainder being nickel and inevitable impurities.

IPC 8 full level

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CPC (source: EP US)

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