

Title (en)

NICKEL BASED ALLOY HAVING HIGH MECHANICAL STRENGTH AT HIGH TEMPERATURE

Title (de)

NICKELBASISLEGIERUNG MIT HOHER MECHANISCHER FESTIGKEIT BEI HOHER TEMPERATUR

Title (fr)

SUPERALLIAGE A BASE DE NICKEL A TENUE MECANIQUE ELEVEE A HAUTE TEMPERATURE

Publication

EP 3911774 B1 20230301 (FR)

Application

EP 20706569 A 20200114

Priority

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- FR 2020050049 W 20200114

Abstract (en)

[origin: WO2020148504A1] The invention relates to a nickel-based superalloy comprising, in weight percentages, 4 to 6% of aluminum, 5 to 8% of cobalt, 6 to 9% of chromium, 0.1 to 0.9% of hafnium, 2 to 4% of molybdenum, 5 to 7% of rhenium, 5 to 7% of tantalum, 2 to 5% 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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