

Title (en)
ALLOY, POWDER, METHOD AND COMPONENT

Title (de)
LEGIERUNG, PULVER, VERFAHREN UND BAUTEIL

Title (fr)
ALLIAGE, POUDRE, PROCÉDÉ ET COMPOSANT

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Application
EP 22722461 A 20220412

Priority
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Abstract (en)
[origin: WO2022238072A1] The invention relates to a nickel-based alloy, comprising or in particular consisting of (in wt.%): carbon (C): 0.07% - 0.09%, in particular 0.08% - 0.09%, most particularly 0.08%, chromium (Cr): 9.0% - 10.0%, in particular 9.3% - 9.7%, most particularly 9.5%, cobalt (Co): 9.6% - 10.4%, in particular 10.0%, molybdenum (Mo): 1.3% - 1.5%, in particular 1.5%, tungsten (W): 3.0% - 3.4%, in particular 3.2%, titanium (Ti): 1.9% - 2.3%, in particular 2.1%, aluminium (Al): 5.6% - 6.3%, in particular, boron (B): 0.008% - 0.012%, in particular, zirconium (Zr): 0.01% - 0.012%, tantalum (Ta): 1.0% - 1.4%, in particular, niobium (Nb): 0.8% - 1.0%, in particular 0.9%, silicon (Si): up to 0.011%, vanadium (V): 0.8% - 1.0%, in particular 0.9%, hafnium (Hf): 1.2% - 1.4%, in particular 1.3%, no rhenium (Re) and/or no ruthenium (Ru), nickel (Ni), in particular residual nickel (Ni), residual impurities up to 0.1%.

IPC 8 full level
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