

Title (en)
ALLOY, POWDER, METHOD AND COMPONENT

Title (de)
LEGIERUNG, PULVER, VERFAHREN UND BAUTEIL

Title (fr)
ALLIAGE, POUDRE, PROCÉDÉ ET COMPOSANT

Publication
EP 4288575 A1 20231213 (DE)

Application
EP 22722464 A 20220412

Priority
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Abstract (en)
[origin: WO2022238073A1] The invention relates to a nickel-based alloy comprising carbon (C): 0.11% – 0.13% chromium (Cr): 9.7% – 10.5% cobalt (Co): 10.5% – 12.5% molybdenum (Mo): 2.8% – 3.2% titanium (Ti): 3.3% – 4.3% aluminum (Al): 5.2% - 5.8%, Hafnium (Hf): 1.30% – 1.50%; boron (B): 0.13% - 0.14%; zirconium (Zr): 0.015% - 0.03%, tantalum (Ta): up to 0.05%, niobium (Nb): up to 0.01%, silicon (Si): up to 0.01%, tungsten (W): up to 0.02%, vanadium (V): up to 0.02% no rhenium (Re) and/or no ruthenium (Ru), nickel, remaining impurities up to 0.1%.

IPC 8 full level
C22C 1/04 (2023.01); **B22F 5/00** (2006.01); **B22F 5/04** (2006.01); **B33Y 70/00** (2020.01); **C22C 19/05** (2006.01)

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