

Title (en)
NICKEL-BASED ALLOY, USE, AND METHOD

Title (de)
NICKELBASIERTE LEGIERUNG, VERWENDUNG UND VERFAHREN

Title (fr)
ALLIAGE À BASE DE NICKEL, UTILISATION ET PROCÉDÉ

Publication
EP 2701878 A1 20140305 (DE)

Application
EP 12729462 A 20120613

Priority
• EP 11173590 A 20110712
• EP 2012061167 W 20120613
• EP 12729462 A 20120613

Abstract (en)
[origin: EP2546021A1] Nickel based alloy comprises (in wt.%) carbon (0.13-0.2), chromium (13.5-14.5), cobalt (9-10), molybdenum (1.5-2.4), tungsten (3.4-4), titanium (4.6-5), aluminum (2.6-3), boron (0.005-0.008), nickel (remaining amount), optionally niobium (not > 0.1), tantalum (not > 0.1), zirconium (not > 0.05, preferably at least 0.02), hafnium (not > 0.1), silicon (not > 0.1), manganese (not > 0.1) and impurities, preferably phosphorus, iron, sulfur, vanadium, copper, lead, bismuth, selenium, tellurium, thallium, magnesium, nitrogen or silver. An independent claim is also included for repairing a component, comprising using the above alloy as an additive material during welding of nickel- or cobalt based substrate.

IPC 8 full level
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