

Title (en)

COBALT-BASED ALLOY COMPRISING GERMANIUM AND METHOD FOR SOLDERING

Title (de)

KOBALTBASIERTE LEGIERUNG MIT GERMANIUM UND VERFAHREN ZUM LÖTEN

Title (fr)

ALLIAGES À BASE DE COBALT ET CONTENANT DE GERMANIUM, ET PROCÉDÉ DE BRASAGE

Publication

EP 2637820 A1 20130918 (DE)

Application

EP 11796658 A 20111206

Priority

- EP 11150953 A 20110114
- EP 2011071846 W 20111206
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Abstract (en)

[origin: EP2476506A1] A cobalt-based alloy comprises (in wt.%) nickel (7.0-9.0, preferably 7.5-8.5), chromium (17-21, preferably 18.0-20.5), tungsten (5.0-6.5, preferably 5.1-6.1), tantalum (2.0-4.0, preferably 2.5-3.2), titanium (0.1-0.3, preferably 0.2), germanium (13-27, preferably 14-26), carbon (18-22, preferably 0.4-0.6) and zirconium (0.2-0.7, preferably 0.3-0.6). The alloy optionally contains molybdenum, iron or manganese as impurities. An independent claim is included for method for repairing a substrate, in particular a nickel-based substrate.

IPC 8 full level

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CPC (source: EP US)

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