

Title (en)
COBALT BASED ALLOY

Title (de)
KOBALTBASISSUPERLEGIERUNG

Title (fr)
ALLIAGE A BASE DE COBALT

Publication
EP 3175008 B1 20181017 (DE)

Application
EP 15750314 A 20150731

Priority
• DE 102014011249 A 20140801
• EP 2015067697 W 20150731

Abstract (en)
[origin: WO2016016437A2] The invention relates to a cobalt-based super alloy comprising 32 - 45 wt.-% Co, 28 - 40 wt.-% Ni, 10 - 15 wt.-% Cr, 2.5 - 5.5 wt.-% Al, 6.5 - 16 wt.-% W, 0 - 9 wt.-% Ta, 0 - 8 wt.-% Ti, 0.1 - 1 wt.-% Si, 0 - 0.5 wt.-% B, 0 - 0.5 wt.-% C, 0 - 2 wt.-% Hf, 0 - 0.1 wt.-% Zr, 0 - 8 wt.-% Fe, 0 - 6 wt.-% Nb, 0 - 7 wt.-% Mo, 0 - 4 wt.-% Ge and to a group of unavoidable impurities.

IPC 8 full level
C22C 19/07 (2006.01)

CPC (source: EP US)
C22C 30/00 (2013.01 - EP US); **C22C 19/07** (2013.01 - EP US)

Cited by
CN113684398A

Designated contracting state (EPC)
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DOCDB simple family (publication)
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