

Title (en)

Alloy and article with high heat resistance and high heat stability

Title (de)

Legierung und Gegenstand mit hoher Warmfestigkeit und hoher thermischer Stabilität

Title (fr)

Alliage et article à haute résistance thermique et à haute stabilité thermique

Publication

EP 1445339 B1 20160803 (DE)

Application

EP 04450025 A 20040210

Priority

AT 1962003 A 20030210

Abstract (en)

[origin: EP1445339A1] An alloy contains (in weight%) carbon (0.15-0.44), silicon (0.04-0.3), manganese (0.06-0.4), chromium (1.2-5), molybdenum (0.8-6.5), nickel (3.4-9.8), vanadium (0.2-0.8), cobalt (0.1-9.8), aluminum (1.4-3), copper (less than 1.3), niobium (less than 0.35) and remainder consist of iron and impurities. An independent claim is included for hot-forging steel component.

IPC 8 full level

C21D 6/00 (2006.01); **C21D 6/02** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/52** (2006.01)

CPC (source: EP)

C22C 38/02 (2013.01); **C22C 38/04** (2013.01); **C22C 38/06** (2013.01); **C22C 38/44** (2013.01); **C22C 38/46** (2013.01); **C22C 38/52** (2013.01); **C21D 6/002** (2013.01); **C21D 6/02** (2013.01); **C21D 2211/004** (2013.01)

Cited by

FR2904635A1; US9249485B2; WO2008084108A1; WO2008015260A1; US8101004B2; US8551397B2; US8252129B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

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