

Title (en)
A TITANIUM-BASED ALLOY

Title (de)
TITANBASIERTE LEGIERUNG

Title (fr)
ALLIAGE À BASE DE TITANE

Publication
EP 3574124 B1 20210303 (EN)

Application
EP 18702532 A 20180125

Priority
• GB 201701251 A 20170125
• GB 2018050210 W 20180125

Abstract (en)
[origin: WO2018138502A1] A titanium-based alloy composition consisting, in weight percent, of: between 0.5 and 2.5% aluminium, between 0.5 and 1.5% vanadium, between 0.0 and 3.0% iron, between 0.0 and 1.0% chromium, between 0.0 and 3.0% nickel, between 1.0 and 4.0% molybdenum, between 0.0 and 1.0% silicon, between 0.0 and 0.2% boron, between 0.0 and 0.5% tin, between 0.0 and 0.5% zirconium, between 0.0 and 1.0% niobium, between 0.0 and 1.0% tantalum, between 0.0 and 0.5% calcium, between 0.0 and 0.5% carbon, between 0.0 and 0.5% manganese, the balance being titanium and incidental impurities, wherein one of iron and nickel is present in an amount of at least 2.0% and the other of iron and nickel is present in an amount of 1.0% or less.

IPC 8 full level
C22C 14/00 (2006.01)

CPC (source: EP US)
C22C 14/00 (2013.01 - EP US)

Cited by
CN115927912A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018138502 A1 20180802; EP 3574124 A1 20191204; EP 3574124 B1 20210303; GB 201701251 D0 20170308; JP 2020507683 A 20200312; JP 7127061 B2 20220829; US 2019382872 A1 20191219

DOCDB simple family (application)
GB 2018050210 W 20180125; EP 18702532 A 20180125; GB 201701251 A 20170125; JP 2019560494 A 20180125; US 201816480157 A 20180125