

Title (en)

TIAL ALLOY, TIAL ALLOY POWDER, TIAL ALLOY COMPONENT, AND METHOD FOR PRODUCING SAME

Title (de)

TIAL-LEGIERUNG, TIAL-LEGIERUNGSPULVER, TIAL-LEGIERUNGSBAUTEIL UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

ALLIAGE TIAL, POUDRE D'ALLIAGE TIAL, COMPOSANT D'ALLIAGE TIAL ET LEUR PROCÉDÉ DE PRODUCTION

Publication

**EP 4353855 A1 20240417 (EN)**

Application

**EP 22820205 A 20220607**

Priority

- JP 2021096660 A 20210609
- JP 2022022883 W 20220607

Abstract (en)

A TiAl alloy consists of 47 at% or more and 50 at% or less of Al, 1 at% or more and 2 at% or less of Nb, 2 at% or more and 5 at% or less of Zr, 0.05 at% or more and 0.3 at% or less of B, and the balance consists of Ti and inevitable impurities.

IPC 8 full level

**C22C 14/00** (2006.01); **B22F 1/00** (2022.01); **B22F 3/15** (2006.01); **C22C 21/00** (2006.01); **C22C 30/00** (2006.01)

CPC (source: EP US)

**B22F 1/00** (2013.01 - US); **B22F 3/004** (2013.01 - EP US); **B22F 3/15** (2013.01 - EP US); **C22C 14/00** (2013.01 - EP US); **C22C 21/00** (2013.01 - EP); **C22C 30/00** (2013.01 - EP); **B22F 2301/205** (2013.01 - US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - US)

C-Set (source: EP)

**B22F 2998/10 + B22F 3/004 + B22F 3/15**

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4353855 A1 20240417**; JP WO2022260026 A1 20221215; US 2024110261 A1 20240404; WO 2022260026 A1 20221215

DOCDB simple family (application)

**EP 22820205 A 20220607**; JP 2022022883 W 20220607; JP 2023527865 A 20220607; US 202318521082 A 20231128