

Title (en)  
TITANIUM ALLOY PLATE, TITANIUM ALLOY COIL, METHOD FOR PRODUCING TITANIUM ALLOY PLATE AND METHOD FOR PRODUCING TITANIUM ALLOY COIL

Title (de)  
TITANLEGIERUNGSPLATTE, TITANLEGIERUNGSSPULE, VERFAHREN ZUR HERSTELLUNG EINER TITANLEGIERUNGSPLATTE UND VERFAHREN ZUR HERSTELLUNG EINER TITANLEGIERUNGSSPULE

Title (fr)  
PLAQUE D'ALLIAGE DE TITANE, BOBINE D'ALLIAGE DE TITANE, PROCÉDÉ DE PRODUCTION DE PLAQUE D'ALLIAGE DE TITANE ET PROCÉDÉ DE PRODUCTION DE BOBINE D'ALLIAGE DE TITANE

Publication  
**EP 4286551 A4 20240306 (EN)**

Application  
**EP 21922835 A 20210128**

Priority  
JP 2021002965 W 20210128

Abstract (en)  
[origin: EP4286551A1] This titanium alloy sheet contains predetermined chemical components, an area ratio of an  $\alpha$ -phase is 80% or more, an area ratio of the  $\alpha$ -phase having an equivalent circle diameter of 1  $\mu\text{m}$  or more is more than 53%, and in a (0001) pole figure in a sheet thickness direction, an angle formed between the sheet thickness direction and a direction indicating a peak of intensity calculated by texture analysis in a case in which a series rank is 16 and the Gaussian half width is 5° for an inverse pole figure using a spherical harmonics method of an electron backscatter diffraction method is 65° or less, and the average sheet thickness is 2.5 mm or less.

IPC 8 full level  
**C22C 14/00** (2006.01); **C22F 1/00** (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP KR US)  
**C21D 8/0236** (2013.01 - EP KR); **C21D 8/0268** (2013.01 - EP); **C21D 8/0273** (2013.01 - EP KR); **C21D 9/46** (2013.01 - EP); **C22C 14/00** (2013.01 - EP KR US); **C22F 1/18** (2013.01 - KR); **C22F 1/183** (2013.01 - EP US)

Citation (search report)

- [IA] CN 104152744 A 20141119 - NINGXIA ORIENT TANTALUM IND CO
- [A] JP 5435333 B2 20140305
- [A] US 2013327448 A1 20131212 - KAWAKAMI AKIRA [JP], et al
- See also references of WO 2022162816A1

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 4286551 A1 20231206; EP 4286551 A4 20240306**; CN 116648524 A 20230825; JP WO2022162816 A1 20220804; KR 20230110601 A 20230724; TW 202229572 A 20220801; TW I796118 B 20230311; US 2024018629 A1 20240118; WO 2022162816 A1 20220804

DOCDB simple family (application)  
**EP 21922835 A 20210128**; CN 202180088452 A 20210128; JP 2021002965 W 20210128; JP 2022577903 A 20210128; KR 20237021331 A 20210128; TW 111103170 A 20220125; US 202118036033 A 20210128