

Title (en)
TIAL ALLOY AND PRODUCTION METHOD THEREFOR

Title (de)
TIAL-LEGIERUNG UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
ALLIAGE DE TIAL ET SON PROCÉDÉ DE PRODUCTION

Publication
EP 3974082 A4 20230531 (EN)

Application
EP 20810724 A 20200318

Priority
• JP 2019096652 A 20190523
• JP 2020011936 W 20200318

Abstract (en)
[origin: US2022010410A1] A TiAl alloy contains 48 at % or more and 50 at % or less of Al, 3 at % or more and 5 at % or less of Nb, 0.1 at % or more and 0.3 at % or less of B, and the balance being Ti and inevitable impurities.

IPC 8 full level
B21J 5/00 (2006.01); **C22C 14/00** (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP US)
B21J 5/00 (2013.01 - EP); **B22F 3/15** (2013.01 - US); **C22C 14/00** (2013.01 - EP US); **C22F 1/183** (2013.01 - EP); **B22F 2301/205** (2013.01 - US)

Citation (search report)
• [Y] JP H08283890 A 19961029 - NIPPON STEEL CORP
• [Y] CN 106987754 B 20181019
• [Y] US 5205875 A 19930427 - HUANG SHYH-CHIN [US]
• [A] CN 100425722 C 20081015 - UNIV JINAN [CN]
• See references of WO 2020235201A1

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)
US 2022010410 A1 20220113; EP 3974082 A1 20220330; EP 3974082 A4 20230531; JP 7226536 B2 20230221;
JP WO2020235201 A1 20201126; WO 2020235201 A1 20201126

DOCDB simple family (application)
US 202117449132 A 20210928; EP 20810724 A 20200318; JP 2020011936 W 20200318; JP 2021520074 A 20200318