

Title (en)  
TIAL ALLOY AND METHOD OF MANUFACTURING THE SAME

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

Title (fr)  
ALLIAGE TIAL ET SON PROCÉDÉ DE PRODUCTION

Publication  
**EP 3974551 B1 20231213 (EN)**

Application  
**EP 20808685 A 20200318**

Priority  
• JP 2019096648 A 20190523  
• JP 2020011935 W 20200318

Abstract (en)  
[origin: US2022017995A1] A TiAl alloy contains 48 at % or more and 50 at % or less of Al, 1 at % or more and 3 at % or less of Nb, 0.3 at % or more and 1 at % or less of Zr, 0.05 at % or more and 0.3 at % or less of B, and the balance being Ti and inevitable impurities.

IPC 8 full level  
**C22C 14/00** (2006.01); **B21J 5/00** (2006.01); **B22F 3/15** (2006.01); **C22C 1/02** (2006.01); **C22C 1/10** (2023.01); **C22F 1/00** (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP US)  
**B21J 5/00** (2013.01 - EP); **B22F 3/15** (2013.01 - EP US); **C22C 1/02** (2013.01 - EP); **C22C 1/1036** (2013.01 - EP); **C22C 1/1094** (2013.01 - EP); **C22C 14/00** (2013.01 - EP US); **C22F 1/183** (2013.01 - EP); **B22F 2999/00** (2013.01 - EP); **C22F 1/00** (2013.01 - EP)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 2022017995 A1 20220120**; EP 3974551 A1 20220330; EP 3974551 A4 20230125; EP 3974551 B1 20231213; JP 7226535 B2 20230221; JP WO2020235200 A1 20201126; WO 2020235200 A1 20201126

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**US 202117449133 A 20210928**; EP 20808685 A 20200318; JP 2020011935 W 20200318; JP 2021520073 A 20200318