

Title (en)  
SINTERED BODY OF TiAl INTERMETALLIC COMPOUND AND METHOD FOR PRODUCING SINTERED BODY OF TiAl INTERMETALLIC COMPOUND

Title (de)  
SINTERKÖRPER AUS EINER INTERMETALLISCHEN TIAL-VERBINDUNG UND VERFAHREN ZUR HERSTELLUNG EINES SINTERKÖRPERS AUS EINER INTERMETALLISCHEN TIAL-VERBINDUNG

Title (fr)  
CORPS FRITTÉ DE COMPOSÉ INTERMÉTALLIQUE TiAl, ET PROCÉDÉ DE PRODUCTION DE CORPS FRITTÉ DE COMPOSÉ INTERMÉTALLIQUE TiAl

Publication  
**EP 3415648 A4 20190417 (EN)**

Application  
**EP 17778878 A 20170221**

Priority  
• JP 2016075932 A 20160405  
• JP 2017006390 W 20170221

Abstract (en)  
[origin: EP3415648A1] The sintered density of a TiAl-based intermetallic sintered compact is improved. A method for producing a TiAl-based intermetallic sintered compact includes sintering TiAl-based powder to produce the TiAl-based intermetallic sintered compact, the TiAl-based powder containing a TiAl-based intermetallic compound in which Ti and Al are bonded and an additional metal. The additional metal is Ni, or Ni and Fe.

IPC 8 full level  
**C22C 1/04** (2006.01); **B22F 1/10** (2022.01); **B22F 3/02** (2006.01); **B22F 3/10** (2006.01); **B22F 3/22** (2006.01); **C22C 1/00** (2006.01); **C22C 14/00** (2006.01); **C22C 21/00** (2006.01)

CPC (source: EP US)  
**B22F 1/10** (2022.01 - EP US); **B22F 3/16** (2013.01 - US); **B22F 3/225** (2013.01 - EP US); **C22C 1/00** (2013.01 - EP US); **C22C 1/0416** (2013.01 - EP US); **C22C 1/0458** (2013.01 - EP US); **C22C 1/047** (2023.01 - EP US); **C22C 14/00** (2013.01 - EP US); **C22C 21/00** (2013.01 - EP US); **B22F 2301/052** (2013.01 - US); **B22F 2301/205** (2013.01 - US); **B22F 2301/40** (2013.01 - US); **B22F 2304/10** (2013.01 - US); **B22F 2998/10** (2013.01 - US)

Citation (search report)  
• [X1] US 2006039817 A1 20060223 - KELLY THOMAS J [US]  
• [XA] JP H03243741 A 19911030 - NIPPON TUNGSTEN  
• [XA] US 5098469 A 19920324 - REZHETS VADIM [US]  
• See references of WO 2017175499A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
**EP 3415648 A1 20181219; EP 3415648 A4 20190417**; CA 3017441 A1 20171012; CA 3017441 C 20211026; JP 2017186609 A 20171012; JP 6688662 B2 20200428; US 2019076928 A1 20190314; WO 2017175499 A1 20171012

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