

Title (en)

PRODUCTION OF ALLOYS BASED ON TITANIUM ALUMINIDES

Title (de)

HERSTELLUNG VON LEGIERUNGEN AUF BASIS VON TITANULUMINIDEN

Title (fr)

FABRICATION D'ALLIAGES A BASE D'ALUMINURES DE TITANE

Publication

**EP 2185738 A2 20100519 (DE)**

Application

**EP 08749011 A 20080421**

Priority

- EP 2008003173 W 20080421
- DE 102007032406 A 20070710

Abstract (en)

[origin: DE102007032406B3] In a process to form a titanium and aluminium alloy, the molten metals are combined in a gas atomisation process resulting in metal droplets. The droplets are exposed to a halogen-enriched gas, resulting in halogen-enriched titanium-aluminium alloy droplets, which are then subjected to hot isostatic pressure to form the alloy.

IPC 8 full level

**C22C 1/00** (2006.01); **B22F 1/00** (2006.01); **B22F 3/115** (2006.01); **C22C 14/00** (2006.01); **C22C 30/00** (2006.01)

CPC (source: EP US)

**C22C 1/0416** (2013.01 - EP US); **C22C 1/0458** (2013.01 - EP US); **C22C 14/00** (2013.01 - EP US); **C22C 21/003** (2013.01 - EP US); **C22C 30/00** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US)

C-Set (source: EP US)

1. **B22F 2998/10** + **B22F 9/04** + **B22F 2201/00** + **B22F 3/15**
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DOCDB simple family (publication)

**US 2010119402 A1 20100513**; AT E546556 T1 20120315; CN 101796205 A 20100804; CN 101796205 B 20120725; DE 102007032406 B3 20081023; EP 2185738 A2 20100519; EP 2185738 B1 20120222; ES 2378254 T3 20120410; JP 2010532822 A 20101014; WO 2009006954 A2 20090115; WO 2009006954 A3 20100415

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