

Title (en)

Methods for processing titanium aluminide intermetallic compositions

Title (de)

Verfahren zur Verarbeitung von intermetallischen Titanaluminidzusammensetzungen

Title (fr)

Procédés de traitement de compositions intermétalliques d'aluminure de titane

Publication

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Application

**EP 13159885 A 20130319**

Priority

- US 201261614751 P 20120323
- US 201213459420 A 20120430

Abstract (en)

Methods of processing compositions containing titanium and aluminum, especially titanium aluminide intermetallic compositions (TiAl intermetallics) based on the TiAl (gamma) intermetallic compound. The methods entail processing steps that include a hot isostatic pressing (HIP) cycle and a heat treatment cycle that can be performed in a single vessel. TiAl intermetallic compositions processed in this manner preferably exhibit a duplex microstructure containing equiaxed and lamellar morphologies.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

US 4879092 A 19891107 - HUANG SHYH-CHIN [US]

Cited by

WO2021152274A1; FR3106851A1

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