

Title (en)

TITANIUM-BASED COMPOSITIONS, METHODS OF MANUFACTURE AND USES THEREOF

Title (de)

ZUSAMMENSETZUNGEN AUF TITANBASIS, VERFAHREN ZUR HERSTELLUNG UND VERWENDUNGEN DAVON

Title (fr)

COMPOSITIONS À BASE DE TITANE, LEURS PROCÉDÉS DE FABRICATION ET LEURS UTILISATIONS

Publication

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Application

EP 15844380 A 20150922

Priority

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Abstract (en)

[origin: WO2016044930A1] Titanium-based compositions as well as titanium composites such as carbide- reinforced titanium composites are disclosed herein. More specifically, composite materials comprising a titanium metal matrix and titanium carbide dispersed in the matrix are disclosed. The composite materials comprise about 0.5 wt. % to about 3.0 wt. % of carbon, based on the total weight of titanium and carbon in the composite materials. Compositions comprising a titanium-based powder and at least one of a carbon-based material and a binder are also disclosed. The compositions comprise about 0.5 wt. % to about 3.0 wt. % of carbon-based material, based on the total weight of the titanium-based powder and the carbon-based material.

IPC 8 full level

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Citation (search report)

- [X] DE 102006005225 B3 20070405 - UNIV DRESDEN TECH [DE]
- [A] US 2007269331 A1 20071122 - MOXSON VLADIMIR S [US], et al
- See references of WO 2016044930A1

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