

Title (en)

NEAR-BETA TITANIUM ALLOY HEAT TREATED CASTING

Title (de)

MIT EINER NEAR-BETA-TITANLEGIERUNG WÄRMEBEHANDELTES GUSSPRODUKT

Title (fr)

PRODUIT MOULE TRAITE THERMIQUEMENT A BASE D'ALLIAGE DE TITANE QUASI BETA

Publication

**EP 1786943 A2 20070523 (EN)**

Application

**EP 05770257 A 20050609**

Priority

- US 2005020374 W 20050609
- US 57873704 P 20040610

Abstract (en)

[origin: WO2005123976A2] A heat treatment for a near-beta titanium alloy as well as a near-beta titanium alloy casting to provide a heat treated, refined Widmanstätten microstructure comprising primary alpha phase and secondary alpha phase precipitated in a beta phase matrix. The heat treatment produces a hardness that corresponds to a desirable combination of tensile strength and ductility and of the heat treated near beta-titanium alloy casting.

IPC 8 full level

**C22C 14/00** (2006.01); **C22F 1/18** (2006.01)

CPC (source: EP)

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DE FR GB

Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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