

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

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- 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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