

Title (en)

METHODS FOR HEAT TREATING AND MANUFACTURING A THERMOMECHANICAL PART MADE OF A TITANIUM ALLOY

Title (de)

VERFAHREN ZUR WÄRMEBEHANDLUNG UND HERSTELLUNG EINES THERMOMECHANISCHEN TEILS AUS EINER TITANLEGIERUNG

Title (fr)

PROCEDES DE TRAITEMENT THERMIQUE ET DE FABRICATION D'UNE PIECE THERMOMECHANIQUE REALISEE DANS UN ALLIAGE DE TITANE

Publication

**EP 2002026 A2 20081217 (FR)**

Application

**EP 07731850 A 20070330**

Priority

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- FR 0651111 A 20060330

Abstract (en)

[origin: FR2899241A1] The heat treatment of a thermomechanical part in a titanium alloy, comprises setting of a solution to a maximum temperature of beta transus of -20 to -15[deg]C for 4-8 hours, and hardening the part at a temperature of 595[deg]C for 8 hours and at a cooling speed of higher than 300-400[deg]C/min. Independent claims are included for: (1) a method of manufacturing a thermomechanical part in a titanium alloy; (2) a thermomechanical part; and (3) a turbo machine.

IPC 8 full level

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

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