

Title (en)

Thin products made of beta or quasi beta titanium alloys, manufacture by forging

Title (de)

Dünne Produkte aus Beta- oder quasi Beta-Titan-Legierungen, Herstellung durch Schmieden

Title (fr)

Produits minces en alliages de titane bêta ou quasi bêta, fabrication par forgeage

Publication

**EP 1340832 A1 20030903 (FR)**

Application

**EP 03290458 A 20030227**

Priority

FR 0202602 A 20020301

Abstract (en)

Non-axisymmetric manufactured products, with a thickness less than 10 mm are made of beta or quasi beta titanium alloys and have a core microstructure made up of whole grains with a leanness ratio greater than 4 and an equivalent diameter of between 10 and 300 microns. These products are made by forging and from titanium alloys of the Ti17 (TA5CD4 or TiAl5Cr2MO4) type. An Independent claim is also included for the fabrication of these products by forging.

Abstract (fr)

La présente invention a pour objet : des produits manufacturés, non axisymétriques, d'une épaisseur inférieure à 10 mm, en alliages de titane  $\beta$  ou quasi  $\beta$ , dont la microstructure à coeur est constituée de grains entiers présentant un taux d'éclatement supérieur à 4 et un diamètre compris entre 10 et 300  $\mu\text{m}$  ; la fabrication par forgeage desdits produits.

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**C22F 1/18**; **B21K 3/04**

IPC 8 full level

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CPC (source: EP US)

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