

Title (en)

PROCESS FOR THE MANUFACTURE OF COMPONENTS FROM A TITANIUM-BASE ALLOY, THE COMPONENT OBTAINED THIS WAY, AND ITS USE

Publication

**EP 0062365 B1 19841227 (DE)**

Application

**EP 82200313 A 19820311**

Priority

CH 193481 A 19810323

Abstract (en)

[origin: US4412872A] A process for manufacturing a component from a mechanically unstable beta -titanium alloy which exhibits 3 shape-related memory effects which all differ from one another: a one-way effect, a two-way effect (resembling a bi-metal), this effect being virtually hysteresis-free but occurring continuously over a wide phase-transformation temperature range, and an irreversible effect, which is isothermal. Utilization of the effects in thermal triggering elements (electrical switches) as well as in fixed or detachable connecting elements for components.

IPC 1-7

**C22F 1/18**; **C22C 14/00**

IPC 8 full level

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

CPC (source: EP US)

**C22F 1/006** (2013.01 - EP US)

Cited by

EP0110685A1; EP0143580A1; US4713063A; US4645489A; US4731069A; FR2694696A1; EP0246828A1; US4902359A

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DOCDB simple family (publication)

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**EP 82200313 A 19820311**; DE 3261668 T 19820311; JP 4618082 A 19820323; US 35985882 A 19820319