

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

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0062365 A1 19821013; **EP 0062365 B1 19841227**; DE 3261668 D1 19850207; JP S57185965 A 19821116; JP S6349741 B2 19881005; US 4412872 A 19831101

DOCDB simple family (application)

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