

Title (en)

PROCESS FOR MANUFACTURING A CU-ZN-AL(6-10%) SHAPE MEMORY ALLOY WITH LOW MARTENSITIC TEMPERATURE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER CU-ZN-AL(6-10%)-FORMGEDÄCHTNISLEGIERUNG MIT NIEDRIGER MARTENSITISCHER UMWANDLUNGSTEMPERATUR

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ALLIAGE CU-ZN-AL(6-10%) MÉMOIRE DE FORME FAIBLE TEMPERATURE DE TRANSFORMATION MARTENSITIQUE

Publication

EP 1436437 A2 20040714 (EN)

Application

EP 01978810 A 20011022

Priority

IN 0100186 W 20011022

Abstract (en)

[origin: WO03035918A2] The present invention provides for Cu-Zn-Al(6%) alloy and an improved process to lower the martensitic transformation temperature, by a low temperature re-betatising treatment from 110 DEG C to 30 DEG C i.e. a lowering of 80 DEG C wherein previously high temperature betatised material has been subjected to re-betatising at lower temperature in order to utilize the material suitably.

IPC 1-7

C22C 9/04; **C22F 1/00**

IPC 8 full level

C22C 9/04 (2006.01); **C22F 1/00** (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP)

C22C 9/04 (2013.01); **C22F 1/08** (2013.01)

Citation (search report)

See references of WO 03035918A2

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

WO 03035918 A2 20030501; **WO 03035918 A3 20031113**; AU 2002210901 A1 20030506; CN 100513604 C 20090715; CN 1547619 A 20041117; DE 60123296 D1 20061102; DE 60123296 T2 20070606; EP 1436437 A2 20040714; EP 1436437 B1 20060920; JP 2005506450 A 20050303; JP 4101758 B2 20080618

DOCDB simple family (application)

IN 0100186 W 20011022; AU 2002210901 A 20011022; CN 01823648 A 20011022; DE 60123296 T 20011022; EP 01978810 A 20011022; JP 2003538418 A 20011022