

Title (en)

PRODUCTION OF COMPONENT PARTS BY METAL INJECTION MOULDING (MIM)

Title (de)

HERSTELLUNG VON BAUTEILEN DURCH METALLFORMSPRITZEN (MIM)

Title (fr)

FABRICATION DE PIECES PAR MOULAGE PAR INJECTION DE POUDRE METALLIQUE (MIM)

Publication

EP 1381484 A2 20040121 (DE)

Application

EP 02740268 A 20020420

Priority

- DE 0201460 W 20020420
- DE 10120172 A 20010424

Abstract (en)

[origin: WO02085561A2] The invention relates to a method for producing component parts with a high degree of dimensional precision, made of NiTi-shape memory alloys. The invention makes it possible to apply a known metal injection moulding method to NiTi-shape memory alloys by adapting the binding system, temperature control and reducing the time necessary for debinding.

IPC 1-7

B22F 3/22; **B22F 1/00**; **B22F 3/10**

IPC 8 full level

B22D 17/00 (2006.01); **B22F 1/10** (2022.01); **B22F 1/103** (2022.01); **B22F 3/02** (2006.01); **B22F 3/10** (2006.01); **B22F 3/22** (2006.01); **C22C 1/04** (2006.01)

CPC (source: EP US)

B22F 1/10 (2022.01 - EP US); **B22F 1/103** (2022.01 - EP US); **B22F 3/1025** (2013.01 - EP US); **B22F 3/22** (2013.01 - EP US); **B22F 3/225** (2013.01 - EP US); **C22C 1/047** (2023.01 - EP US); **B22F 2998/00** (2013.01 - EP US)

Citation (search report)

See references of WO 02085561A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02085561 A2 20021031; **WO 02085561 A3 20030313**; DE 10120172 C1 20021114; EP 1381484 A2 20040121; JP 2004525264 A 20040819; US 2004146424 A1 20040729

DOCDB simple family (application)

DE 0201460 W 20020420; DE 10120172 A 20010424; EP 02740268 A 20020420; JP 2002583126 A 20020420; US 47606604 A 20040318