

Title (en)

Process for producing molded parts in a powder press

Title (de)

Verfahren zur Herstellung von Pressteilen in einer Pulverpresse

Title (fr)

Procédé pour la production d'éléments moulés dans une presse à poudre

Publication

**EP 1287975 A3 20040128 (DE)**

Application

**EP 02017011 A 20020727**

Priority

DE 10142772 A 20010831

Abstract (en)

[origin: EP1287975A2] Production of pressed parts comprises pressing metal powder and sintering the blank formed in a press. The value for the energy introduced into the upper stamp (14) of the press is stored for a blank of prescribed geometry and the energy introduced to both the upper and lower stamps of the press is stored as a second value. Sliding of the upper stamp is terminated when its energy input has reached a prescribed value and the sliding of the lower stamp (16) is carried out according to a measure of the residual energy when the total energy has reached the prescribed second value. Preferably the course of the energy input over the pressing path of the upper stamp is stored and the sliding of the upper stamp is controlled according to the course of the energy input.

IPC 1-7

**B30B 11/00**; **B30B 15/22**; **B22F 3/02**

IPC 8 full level

**B22F 3/02** (2006.01); **B30B 11/00** (2006.01); **B30B 15/22** (2006.01)

CPC (source: EP US)

**B22F 3/02** (2013.01 - EP US); **B30B 11/005** (2013.01 - EP US); **B30B 15/22** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

C-Set (source: EP US)

**B22F 2999/00** + **B22F 3/02** + **B22F 2203/03**

Citation (search report)

- [Y] DE 19958999 A1 20010426 - HENKEL KGAA [DE]
- [YD] US 6074584 A 20000613 - HINZPETER JUERGEN [DE], et al
- [A] US 5024811 A 19910618 - HINZMANN GERD [DE], et al
- [A] US 5699273 A 19971216 - HINZPETER JUERGEN DIPL ING [DE], et al
- [A] DE 2951716 A1 19810702 - MANNESMANN AG [DE]
- [AD] DE 4209767 C1 19930506
- [PA] EP 1129802 A2 20010905 - FETTE WILHELM GMBH [DE]

Cited by

EP2944457A3; EP4079427A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1287975 A2 20030305**; **EP 1287975 A3 20040128**; **EP 1287975 B1 20080402**; AT E391004 T1 20080415; DE 10142772 A1 20030327; DE 10142772 C2 20030925; DE 50212003 D1 20080515; US 2003049147 A1 20030313; US 7211217 B2 20070501

DOCDB simple family (application)

**EP 02017011 A 20020727**; AT 02017011 T 20020727; DE 10142772 A 20010831; DE 50212003 T 20020727; US 22574702 A 20020822