

Title (en)

Method to determine the position of a plunger in a powder press

Title (de)

Verfahren zur Positionbestimmung eines Pressstempels einer Pulverpresse

Title (fr)

Procédé pour déterminer la position d'un poinçon dans une presse à poudre

Publication

**EP 1048450 A3 20020904 (DE)**

Application

**EP 00103757 A 20000223**

Priority

DE 19919693 A 19990430

Abstract (en)

[origin: EP1048450A2] The position detection method has a processor (50) which stores a reference value corresponding to a given position of the press stamp (20) relative to the press matrix (34) and a reference offset corresponding to the count provided by an incremental source (32) upon the raising of the press stamp from the reference position to an index pulse position, above which its movement is detected via an absolute position detector (24,26). The press stamp position is provided by the incremental source count when the actual position is less than the sum of the stored reference value and the stored reference offset.

IPC 1-7

**B30B 11/00**

IPC 8 full level

**B22F 3/03** (2006.01); **B30B 11/00** (2006.01)

CPC (source: EP US)

**B22F 3/03** (2013.01 - EP US); **B30B 11/005** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

Citation (search report)

- [E] WO 0020192 A1 20000413 - DORST MASCH & ANLAGEN [DE], et al
- [A] DE 3425221 A1 19850124 - BOFORS AB [SE]
- [A] EP 0417485 A2 19910320 - DORST MASCH & ANLAGEN [DE]
- [A] US 4270890 A 19810602 - OETTL HARTMUT
- [A] DE 4040410 C1 19911107
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 10 31 October 1996 (1996-10-31)

Cited by

EP1277564A3; EP1782943A3; US11204596B2; US7803294B2; WO2019212999A1; US11897220B2; WO2020207645A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1048450 A2 20001102**; **EP 1048450 A3 20020904**; DE 19919693 A1 20001123; DE 19919693 C2 20010823; US 6442859 B1 20020903

DOCDB simple family (application)

**EP 00103757 A 20000223**; DE 19919693 A 19990430; US 55127500 A 20000418