

Title (en)

Press with crankshaft drive for the upper punch unit and operating method

Title (de)

Presse mit Exzenterkurbelbetrieb für Oberstempereinheit und Betriebsverfahren

Title (fr)

Presse avec entraînement à vilebrequin pour le poinçon supérieur et son procédé de fonctionnement

Publication

EP 1086802 A3 20020116 (DE)

Application

EP 00250306 A 20000915

Priority

DE 19947689 A 19990924

Abstract (en)

[origin: EP1086802A2] Press comprises a connecting rod (3), a crankshaft (4), an eccentric crank mechanism connected to a toothed wheel (5) to drive the upper stamping unit (2), and an electronic control on the reverse drive of the crankshaft. The toothed wheel is driven by at least one motor (7.1, 7.2) via a screw drive (6.1, 6.2). An Independent claim is also included for a process for operating the press. Preferred Features: The motor is a hydraulic motor.

IPC 1-7

B30B 1/26; **B30B 1/28**

IPC 8 full level

B30B 15/00 (2006.01); **B22F 3/03** (2006.01); **B30B 1/26** (2006.01); **B30B 1/28** (2006.01); **B30B 11/02** (2006.01); **B30B 15/14** (2006.01)

CPC (source: EP US)

B30B 1/266 (2013.01 - EP US); **B30B 1/28** (2013.01 - EP US); **B30B 11/02** (2013.01 - EP US)

Citation (search report)

- [PX] DE 29917742 U1 20000113 - MANNESMANN AG [DE]
- [DA] DE 4114880 A1 19911114 - KOMAGE GELLNER & CO MASCHINENF [DE]
- [A] US 5588344 A 19961231 - CHUN VICTOR L [US]

Cited by

CN104960230A; EP1281507A3; NL2000449C2; EP1281508A3; CN100410064C

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 1086802 A2 20010328; **EP 1086802 A3 20020116**; **EP 1086802 B1 20061102**; AT E344132 T1 20061115; CA 2320498 A1 20010324; CA 2320498 C 20080610; CN 1187184 C 20050202; CN 1289676 A 20010404; DE 19947689 A1 20010419; DE 19947689 C2 20020207; DE 50013679 D1 20061214; ES 2270788 T3 20070416; JP 2001129692 A 20010515; JP 3723727 B2 20051207; RU 2244627 C2 20050120; US 6564704 B1 20030520

DOCDB simple family (application)

EP 00250306 A 20000915; AT 00250306 T 20000915; CA 2320498 A 20000922; CN 00128820 A 20000922; DE 19947689 A 19990924; DE 50013679 T 20000915; ES 00250306 T 20000915; JP 2000289906 A 20000925; RU 2000124311 A 20000922; US 66887200 A 20000925