

Title (en)

Piezoelectric press drive

Title (de)

Piezoelektrischer Pressenantrieb

Title (fr)

Entraînement piézoélectrique de presse

Publication

EP 1097800 A1 20010509 (EN)

Application

EP 00123427 A 20001102

Priority

DE 19953251 A 19991104

Abstract (en)

The invention relates to a press, more particularly for cutting and moulding miniature components, with a reciprocating die (9). In order to provide a small and compact press, which can be economically manufactured, the drive of the die (9) is effected by at least one piezoactor (18, 19). <IMAGE>

IPC 1-7

B30B 1/00; **H01L 41/04**

IPC 8 full level

B30B 1/00 (2006.01); **H02N 2/02** (2006.01)

CPC (source: EP)

B30B 1/00 (2013.01); **B30B 1/007** (2013.01)

Citation (search report)

- [X] US 5095725 A 19920317 - WADA TATUYA [JP], et al
- [X] US 5138217 A 19920811 - WADA TATUYA [JP], et al
- [X] CH 671187 A5 19890815 - AUTOPHON ASCOM AG
- [X] JP S60177897 A 19850911 - NIPPON TELEGRAPH & TELEPHONE
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 094 (M - 804) 6 March 1989 (1989-03-06)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 12 29 October 1999 (1999-10-29)

Cited by

CN103357704A

Designated contracting state (EPC)

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