Title (en)

FLEXIBLE ELECTROMECHANICAL PUNCHING DEVICE

Title (de)

FLEXIBLE ELEKTROMECHANISCHE STANZVORRICHTUNG

Title (fr)

DISPOSITIF FLEXIBLE DE POINÇONNAGE ELECTROMECANIQUE

Publication

EP 1848555 A1 20071031 (EN)

Application

EP 05702985 A 20050215

Priority

IB 2005050579 W 20050215

Abstract (en)

[origin: WO2006087607A1] The invention relates to a flexible electromechanical punch device mounted on, or controlled by, a robot arm or similar and further intended to hold a series of punch tools and cushion (4), or a multiple tool (5), connected to a multiple punch (7) which, in it self, may be connected to a base body (3) with attached linear gear system (1) and electromechanical drive unit (2) over a tool change system (6), in such a syncronized way that a spring retract system will be eliminated and that full control of the punch tool position in all directions will be met and that full feedback of motor current and position of the tool during penetration makes it possible to determine that a good punch has been performed relative the supposed material to be punched.

IPC 8 full level (invention and additional information)

B21D 28/36 (2006.01); **B25J 9/06** (2006.01); **B25J 9/08** (2006.01); **B25J 9/12** (2006.01)

CPC (invention and additional information)

B25J 15/0491 (2013.01); **B21D 28/36** (2013.01); Y10T 83/929 (2015.04)

Citation (search report)

See references of WO 2006087607A1

Designated contracting state (EPC)

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EPO simple patent family

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2007-10-31 [AK] DESIGNATED CONTRACTING STATES:

- Kind Code of Ref Document : A1
- Designated State(s) : AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR