

Title (en)

Punching machine with electrical rotating- /lifting drive

Title (de)

Stanzmaschine mit elektrischem Dreh-/Hubantrieb

Title (fr)

Machine à poinçonner avec entraînement de rotation et de levage électrique

Publication

**EP 1600225 B1 20080528 (DE)**

Application

**EP 04012523 A 20040527**

Priority

EP 04012523 A 20040527

Abstract (en)

[origin: EP1600225A1] To move the tool bearing (7) in the direction of the lifting axis (8) and for rotating the tool bearing about the lifting axis, a rotary/lifting drive motor (14) is provided, which can be operated both as a rotary drive motor and a lifting drive motor. A controllable indexing device is used to connect or separate the motor to a driver (27).

IPC 8 full level

**B21D 28/00** (2006.01); **B30B 1/18** (2006.01)

CPC (source: EP US)

**B21D 28/002** (2013.01 - EP US); **Y10T 83/869** (2015.04 - EP US); **Y10T 83/8794** (2015.04 - EP US); **Y10T 83/9428** (2015.04 - EP US); **Y10T 83/9476** (2015.04 - EP US); **Y10T 483/1795** (2015.01 - EP US)

Cited by

CN102357588A; DE102008011772A1; EP1839768A1; CN102366791A; US8578828B2; US8065956B2; WO2008012188A1; TWI572422B

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1600225 A1 20051130; EP 1600225 B1 20080528**; AT E396805 T1 20080615; CN 100427236 C 20081022; CN 1960818 A 20070509; DE 502004007280 D1 20080710; ES 2305611 T3 20081101; JP 2008500180 A 20080110; JP 4705635 B2 20110622; PL 1600225 T3 20081031; US 2007240551 A1 20071018; US 7717021 B2 20100518; WO 2005118177 A1 20051215

DOCDB simple family (application)

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