

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)

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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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