

Title (en)
STAMPING MACHINE WITH A MOTORISED ROTATING/LIFTING DRIVE

Title (de)
STANZMASCHINE MIT EINEM MOTORISCHEN DREH-/HUBANTRIEB

Title (fr)
POINÇONNEUSE EQUIPEE D'UN MECANISME D'ELEVATION/ROTATION MOTORISE

Publication
EP 1748853 B1 20080521 (DE)

Application
EP 05747599 A 20050525

Priority

- EP 2005005634 W 20050525
- EP 04012521 A 20040527
- EP 05747599 A 20050525

Abstract (en)
[origin: EP1600223A1] A punching machine has a tool (6) holder (7) which rises, falls and rotates about the lift/lower axis (8) under a spindle (20, 21) power (5) control unit (32). Each spindle is driven by a discrete motor (23, 24), the action being coordinated by the control unit (32). The tool drive elements (14, 15) are linked when moving about the spindle axis of rotation (22).

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 83/04** (2015.04 - EP US); **Y10T 83/06** (2015.04 - EP US); **Y10T 83/141** (2015.04 - EP US); **Y10T 83/8736** (2015.04 - EP US); **Y10T 83/8737** (2015.04 - EP US); **Y10T 83/9387** (2015.04 - EP US); **Y10T 83/9423** (2015.04 - EP US)

Cited by
DE102011003625A1; DE102008061734A1; DE102008061734B4; DE102022113094A1; WO2023227667A1

Designated contracting state (EPC)
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

DOCDB simple family (publication)
EP 1600223 A1 20051130; AT E395994 T1 20080615; CN 100553817 C 20091028; CN 101035637 A 20070912; DE 502005004199 D1 20080703; EP 1748853 A1 20070207; EP 1748853 B1 20080521; ES 2306154 T3 20081101; JP 2008500178 A 20080110; JP 4705633 B2 20110622; PL 1748853 T3 20080930; US 2007101840 A1 20070510; US 2009013843 A1 20090115; US 2011120281 A1 20110526; US 7427258 B2 20080923; WO 2005118175 A1 20051215

DOCDB simple family (application)
EP 04012521 A 20040527; AT 05747599 T 20050525; CN 200580016930 A 20050525; DE 502005004199 T 20050525; EP 05747599 A 20050525; EP 2005005634 W 20050525; ES 05747599 T 20050525; JP 2007513795 A 20050525; PL 05747599 T 20050525; US 19308508 A 20080818; US 201113014811 A 20110127; US 56352806 A 20061127