

Title (en)

Mechanical press for fine cutting, reforming and/or shaping workpieces

Title (de)

Mechanische Presse zum Feinschneiden, Umformen und/oder Prägen von Werkstücken

Title (fr)

Presse mécanique destinée à couper fin, déformer et/ou imprégner des pièces usinées

Publication

**EP 2258498 B1 20121226 (DE)**

Application

**EP 09007351 A 20090603**

Priority

EP 09007351 A 20090603

Abstract (en)

[origin: EP2258498A1] The press has a push rod (3) guided vertically on a lifting axis in an O-frame. A fixed bearing is provided on the lifting axis of the push rod, and two eccentric shafts (6) are assigned to a connecting rod (8), where the shafts are supported in another fixed bearing (FL1). The connecting rod comprises pivot points (22, 23). Shaft ends are connected with three-phase synchronous motors by a planetary gear towards a parallel drive. The motors are adjusted to each other with time-distance parameters by a computer connected with the motors.

IPC 8 full level

**B21J 9/18** (2006.01); **B30B 1/14** (2006.01)

CPC (source: EP KR US)

**B21J 9/18** (2013.01 - EP KR US); **B30B 1/10** (2013.01 - KR); **B30B 1/14** (2013.01 - EP KR US); **B30B 15/14** (2013.01 - KR); **B30B 15/26** (2013.01 - KR); **Y10T 83/8845** (2015.04 - EP US)

Cited by

EP2527136A1; CN112091145A; CN102173075A; CN111819071A; WO2012163766A1; WO2019170571A1; EP3762223B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 2258498 A1 20101208; EP 2258498 B1 20121226**; CA 2705649 A1 20101203; CA 2705649 C 20170214; CN 101905263 A 20101208; JP 2010279999 A 20101216; JP 5702079 B2 20150415; KR 101765904 B1 20170807; KR 20100130567 A 20101213; US 2010319554 A1 20101223; US 8230781 B2 20120731

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