

Title (en)

DRAWING PRESS WITH A STATIC BLANK HOLDER

Title (de)

ZIEHPRESSE MIT STATISCHER BLECHHALTUNG

Title (fr)

PRESSE D'EMBOUITISSAGE MUNIE D'UN SERRE-TÔLE STATIQUE

Publication

EP 2603334 A1 20130619 (DE)

Application

EP 11743835 A 20110815

Priority

- DE 102010037950 A 20101004
- DE 102010034518 A 20100816
- EP 2011064043 W 20110815

Abstract (en)

[origin: WO2012022720A1] The drawing press (10) according to the invention has a stationary blank holder (35) which is supported on the press frame (11). The blank holder (35) is assigned a slide (15) with a die tool (18), the slide (15) being moved via a slide drive with a blocking position. The blocking position is reached, for example, by a gearing (22) which, in the blocking position, does not transmit any movement from the gearing output to the driving servomotor (23) and/or (24). This is achieved, for example, by an eccentric gearing (25, 26) when the latter is in an extended position. In order to carry out the actual drawing stroke, the punching tool (34) is mounted in a vertically moveable manner. The assigned moving bed (32) is raised or lowered from the press bed (31) via a bed drive (36). A servomotor drive with a nonlinear gearing, for example an eccentric gearing, preferably serves in turn as the bed drive (36).

IPC 8 full level

B21D 24/00 (2006.01); **B21D 24/04** (2006.01); **B30B 1/26** (2006.01); **B30B 7/04** (2006.01)

CPC (source: EP US)

B21D 24/00 (2013.01 - EP US); **B21D 24/04** (2013.01 - EP US); **B21D 53/88** (2013.01 - US); **B30B 1/14** (2013.01 - EP US); **B30B 1/18** (2013.01 - EP US); **B30B 1/266** (2013.01 - EP US); **B30B 1/28** (2013.01 - EP US)

Citation (search report)

See references of WO 2012022720A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012022720 A1 20120223; BR 112013003446 A2 2010525; EP 2603334 A1 20130619; EP 2603334 B1 20180425; ES 2670848 T3 20180601; JP 2014501617 A 20140123; MX 2013001896 A 20130801; MX 358381 B 20180815; US 10160023 B2 20181225; US 2013180301 A1 20130718; US 2018264536 A9 20180920

DOCDB simple family (application)

EP 2011064043 W 20110815; BR 112013003446 A 20110815; EP 11743835 A 20110815; ES 11743835 T 20110815; JP 2013525245 A 20110815; MX 2013001896 A 20110815; US 201313765731 A 20130213