

Title (en)

METHOD FOR OPERATING A PRESS, IN PARTICULAR A FORGING CRANK PRESS

Title (de)

VERFAHREN ZUM BETRIEB EINER PRESSE, INSBESONDERE EINER SCHMIEDEKURBELPRESSE

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE PRESSE, EN PARTICULIER D'UNE PRESSE À VILEBREQUIN D'ESTAMPAGE

Publication

EP 3380314 A1 20181003 (DE)

Application

EP 16801194 A 20161124

Priority

- DE 102015120546 A 20151126
- EP 2016078613 W 20161124

Abstract (en)

[origin: WO2017089433A1] The invention relates to a method for operating a press with at least 80% of its nominal pressing force, in particular a crank press for forming, in particular for forging workpieces such as, in particular, a forging crank press, wherein the press comprises a servo drive and a mass system that is arranged between the servo drive and a workpiece and moves during operation of the press, wherein a mass of the mass system is formed at least by a ram and at least by a drive shaft, wherein the mass system is driven at least at times by the servo drive, wherein at most 80% of the nominal pressing force for a forming operation is provided by the servo drive, and wherein the mass of the mass system is accelerated by the servo drive before the forming operation such that, during the forming operation, at least 80% of the nominal pressing force is available.

IPC 8 full level

B30B 1/26 (2006.01); **B30B 15/14** (2006.01)

CPC (source: EP)

B21J 9/18 (2013.01); **B21J 9/20** (2013.01); **B30B 1/266** (2013.01); **B30B 15/148** (2013.01)

Citation (search report)

See references of WO 2017089433A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017089433 A1 20170601; CN 108391425 A 20180810; CN 108391425 B 20200904; DE 102015120546 A1 20170601; EP 3380314 A1 20181003; EP 3380314 B1 20230524; ES 2950422 T3 20231009; JP 2018535098 A 20181129; JP 7112956 B2 20220804

DOCDB simple family (application)

EP 2016078613 W 20161124; CN 201680069086 A 20161124; DE 102015120546 A 20151126; EP 16801194 A 20161124; ES 16801194 T 20161124; JP 2018527193 A 20161124