

Title (en)

FORGING HAMMER AND METHOD FOR CONTROLLING THE WORKING CYCLE OF A FORGING HAMMER

Title (de)

SCHMIEDEHAMMER UND VERFAHREN ZUR STEUERUNG EINES ARBEITSZYKLUS EINES SCHMIEDEHAMMERS

Title (fr)

MARTEAU PILON ET PROCÉDÉ DE COMMANDE DU CYCLE DE TRAVAIL D'UN MARTEAU PILON

Publication

**EP 3280554 B1 20200701 (DE)**

Application

**EP 16712778 A 20160318**

Priority

- DE 102015105400 A 20150409
- EP 2016055950 W 20160318

Abstract (en)

[origin: WO2016162184A1] The present invention relates, in particular, to a forging hammer (1) comprising a striker (8, 9) and a hydraulic linear drive (2, 13, 16, 19, 27) that is coupled to the striker (8, 9) and is designed to drive the striker (8, 9), which drive comprises a hydraulic circuit having a servo-motor hydro pump (27), a hydraulic cylinder (2), in particular a differential cylinder (2), which is fluidically connected downstream of the hydro pump (27) via a directional valve module (13), and a servo-motor hydro generator (16), which is fluidically connected downstream of the hydraulic cylinder (2) via the directional valve module (13), and comprising in addition a control unit (19) configured at least for the simultaneous control (19) of the hydro pump (27), the hydro generator (16) and the directional valve module (13).

IPC 8 full level

**B21J 7/28** (2006.01); **B21J 7/46** (2006.01); **B21J 9/12** (2006.01); **B21J 9/20** (2006.01); **B21J 11/00** (2006.01); **B30B 15/16** (2006.01)

CPC (source: EP US)

**B21J 7/28** (2013.01 - EP US); **B21J 7/46** (2013.01 - EP US); **B21J 9/12** (2013.01 - EP US); **B21J 9/20** (2013.01 - EP US); **B21J 11/00** (2013.01 - EP US); **B30B 15/16** (2013.01 - EP US)

Citation (examination)

DE 3636265 C1 19870827 - LANGENSTEIN & SCHEMANN GMBH

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)

**DE 102015105400 A1 20161013**; **DE 102015105400 B4 20220602**; EP 3280554 A1 20180214; EP 3280554 B1 20200701; US 10875082 B2 20201229; US 2018185900 A1 20180705; WO 2016162184 A1 20161013

DOCDB simple family (application)

**DE 102015105400 A 20150409**; EP 16712778 A 20160318; EP 2016055950 W 20160318; US 201615565157 A 20160318