

Title (en)

USING DATA ABOUT THE FORCE FLOW IN A PRESS FOR THE OPERATION OF A RAM

Title (de)

VERWENDUNG VON DATEN DES KRAFTFLUSSES IN EINER PRESSE FÜR DEN BETRIEB EINES STÖSSELS

Title (fr)

UTILISATION DE DONNÉES DU FLUX DE FORCE DANS UNE PRESSE POUR LE FONCTIONNEMENT D'UN PILON

Publication

**EP 2804751 A1 20141126 (DE)**

Application

**EP 13709147 A 20130115**

Priority

- DE 102012100325 A 20120116
- DE 2013100008 W 20130115

Abstract (en)

[origin: CA2861447A1] The invention relates to the use of data about the force flow in a press (1) for the operation of a ram (1), wherein the loads of the parts involved in the force flow can differ as a result of eccentrically operating forces, in such a way that the data about the respectively acting forces that, in accordance with Hooke's law, cause an extension or compression of a movement of the parts involved in the force flow, is measured and evaluated in relation to a drive device (2) and a position of the ram (1.1), whereupon a skewed position of the ram (1.1) is permitted or a skewed position of the ram (1.1) is counteracted or a skewed position of the ram (1.1) is set during operation of the press (1).

IPC 8 full level

**B30B 1/28** (2006.01); **B30B 15/00** (2006.01); **B30B 15/24** (2006.01)

CPC (source: EP US)

**B30B 1/28** (2013.01 - EP US); **B30B 15/0094** (2013.01 - EP US); **B30B 15/165** (2013.01 - US); **B30B 15/24** (2013.01 - EP US)

Citation (search report)

See references of WO 2013107444A1

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 102012100325 A1 20130718**; **DE 102012100325 B4 20140904**; **DE 102012100325 C5 20190619**; BR 112014017480 A2 20170613; BR 112014017480 A8 20170704; BR 112014017480 B1 20220104; CA 2861447 A1 20130725; CA 2861447 C 20200324; CN 104136208 A 20141105; CN 104136208 B 20160824; EP 2804751 A1 20141126; EP 2804751 B1 20190227; ES 2722249 T3 20190808; KR 102037544 B1 20191028; KR 20140125380 A 20141028; MX 2014008528 A 20140827; MX 367462 B 20190821; US 10464275 B2 20191105; US 2015047517 A1 20150219; WO 2013107444 A1 20130725

DOCDB simple family (application)

**DE 102012100325 A 20120116**; BR 112014017480 A 20130115; CA 2861447 A 20130115; CN 201380010062 A 20130115; DE 2013100008 W 20130115; EP 13709147 A 20130115; ES 13709147 T 20130115; KR 20147022761 A 20130115; MX 2014008528 A 20130115; US 201314372217 A 20130115