

Title (en)

IMPROVEMENT TO THE BLANK HOLDER FORCE REGULATING SYSTEM IN A PRESS

Title (de)

VERBESSERUNG ZU DEM NIEDERHALTEDRUCKREGULIERUNGSSYSTEM IN PRESSEN

Title (fr)

AMELIORATION AU SYSTEME DE REGULATION DE LA FORCE DE SERRE-FLAN DANS UNE PRESSE

Publication

EP 0852523 A1 19980715 (FR)

Application

EP 97923678 A 19970528

Priority

- BE 9700063 W 19970528
- BE 9600485 A 19960530

Abstract (en)

[origin: US6032506A] PCT No. PCT/BE97/00063 Sec. 371 Date Aug. 17, 1998 Sec. 102(e) Date Aug. 17, 1998 PCT Filed May 28, 1997 PCT Pub. No. WO97/46337 PCT Pub. Date Dec. 11, 1997A stamping press comprising a blank-holder force-regulating system using fluid-operated compensating cylinders (5, 7). The variation in the force in the blank-holder pressure-regulating areas is thus compensated so as to maintain a predetermined constant pressure in the conventional blank-holder area. This pressure in the conventional blank-holder area can, by virtue of the invention, according to certain alternative embodiments, also be made to vary.

IPC 1-7

B21D 24/02; **B21D 24/14**

IPC 8 full level

B21D 24/14 (2006.01); **B21D 24/02** (2006.01)

CPC (source: EP KR US)

B21D 24/02 (2013.01 - KR); **B21D 24/14** (2013.01 - EP US)

Cited by

EP3453468A4

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9746337 A1 19971211; AT E198846 T1 20010215; AU 2945597 A 19980105; BE 1010313 A3 19980602; BR 9706599 A 19990720; CA 2224476 A1 19971211; CA 2224476 C 20061010; DE 69703964 D1 20010301; DE 69703964 T2 20010816; DK 0852523 T3 20010618; EP 0852523 A1 19980715; EP 0852523 B1 20010124; ES 2156379 T3 20010616; GR 3035772 T3 20010731; JP 2008207251 A 20080911; JP 4190583 B2 20081203; JP 4757892 B2 20110824; JP H11510435 A 19990914; KR 19990035990 A 19990525; PT 852523 E 20010629; US 6032506 A 20000307

DOCDB simple family (application)

BE 9700063 W 19970528; AT 97923678 T 19970528; AU 2945597 A 19970528; BE 9600485 A 19960530; BR 9706599 A 19970528; CA 2224476 A 19970528; DE 69703964 T 19970528; DK 97923678 T 19970528; EP 97923678 A 19970528; ES 97923678 T 19970528; GR 20010400622 T 20010420; JP 2008102858 A 20080410; JP 50002398 A 19970528; KR 19980700654 A 19980130; PT 97923678 T 19970528; US 1124398 A 19980817