



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 614 527 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**

published in accordance with Art. 158(3) EPC

Note: Bibliography reflects the latest situation

(15) Correction information:

Corrected version no 1 (W1 A1)
INID code(s) 71,72

(51) Int Cl.:

B30B 1/26 (1968.09)

(48) Corrigendum issued on:

12.04.2006 Bulletin 2006/15

(86) International application number:

PCT/RU2003/000163

(43) Date of publication:

11.01.2006 Bulletin 2006/02

(87) International publication number:

WO 2004/091897 (28.10.2004 Gazette 2004/44)

(21) Application number: **03719274.7**

(22) Date of filing: **15.04.2003**

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR

(72) Inventors:

- **Razinkov, Viatcheslav Ivanovich**
Voronezh, 394036 (RU)
- **Kozhevnikov, Victor Alexandrovich**
Voronezh 394088 (RU)

(71) Applicants:

- **Razinkov, Viatcheslav Ivanovich**
Voronezh, 394036 (RU)
- **Kozhevnikov, Victor Alexandrovich**
Voronezh 394088 (RU)

(74) Representative: **Hano, Christian et al**

v. Fünér Ebbinghaus Finck Hano
Mariahilfplatz 2 & 3
81541 München (DE)

(54) **MECHANICAL PRESS**

(57) The invention relates to forge-and-pressing engineering.

The inventive mechanical press consists of a slider (3) arranged in the guides of a bed (1), a crank or eccentric shaft (4), double-hinged rocker (5), cylindrical counterbalance (2) containing an elastic restraint (23) for the slider top position. Said mechanical press also comprises an electric motor, flywheel, electromagnetic clutchless press control device embodied in the form of at least one electromagnet (8) and a movable armature (12), a transfer gear in the form a rocker arm (21) and press control means.

The novelty of said invention lies in that the movable armature of the electromagnet of the clutchless press control device is embodied in the form of a two-shoulder arm (12) which is arranged in such a way that it is rotatable around an axis (13) fixed to the press bed. One shoulder of the armature-arm is arranged on the side of the wall of the press bed in such a way that it is interfaceable with the surface (18) of the rigid core (11) of the electromagnet (8) by means of a displaceable spring-loaded by a spring (15) adjustable core (16) provided with a surface (17). The other arm of said armature-arm (19) is movably connected to the outside end of the rocker arm (21) of the transfer gear.

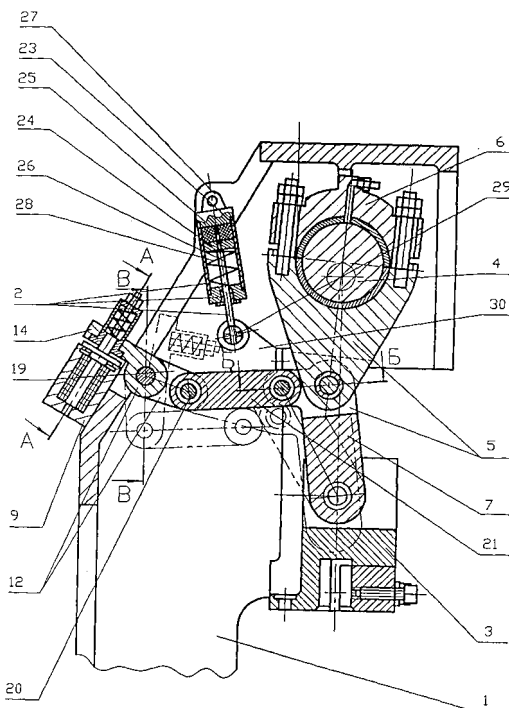


Fig. 1

EP 1 614 527 A8