

Title (en)  
MECHANICAL PRESS

Title (de)  
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Title (fr)  
PRESSE MECANIQUE

Publication  
**EP 1614527 B1 20080903 (EN)**

Application  
**EP 03719274 A 20030415**

Priority  
RU 0300163 W 20030415

Abstract (en)  
[origin: EP1614527A1] 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.

IPC 8 full level  
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