

Title (en)
MECHANICAL PRESS

Title (de)
MECHANISCHE PRESSE

Title (fr)
PRESSE MECANIQUE

Publication
EP 1614527 A1 20060111 (EN)

Application
EP 03719274 A 20030415

Priority
RU 0300163 W 20030415

Abstract (en)
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 of 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 1-7
B30B 1/26

IPC 8 full level
B30B 1/26 (2006.01)

CPC (source: EP)
B30B 1/268 (2013.01)

Cited by
CN104290344A

Designated contracting state (EPC)
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

DOCDB simple family (publication)
EP 1614527 A1 20060111; EP 1614527 A8 20060412; EP 1614527 B1 20080903; AT E406996 T1 20080915; AU 2003235557 A1 20041104; CN 100376380 C 20080326; CN 1764528 A 20060426; DE 60323404 D1 20081016; WO 2004091897 A1 20041028

DOCDB simple family (application)
EP 03719274 A 20030415; AT 03719274 T 20030415; AU 2003235557 A 20030415; CN 03826318 A 20030415; DE 60323404 T 20030415; RU 0300163 W 20030415