

Title (en)
Hydraulic drive for a press

Title (de)
Hydraulischer Antrieb für eine Presse

Title (fr)
Entraînement hydraulique pour une presse

Publication
EP 0972631 B1 20030326 (DE)

Application
EP 99111751 A 19990618

Priority
DE 19831624 A 19980715

Abstract (en)
[origin: EP0972631A1] Press operation can be switched from 'simulation' with high plunger speed and low number of strokes, to 'production' with low speed and higher number of strokes. For this purpose, the pressure accumulator drive for a cylinder-piston unit (2) has an associated hydraulic transformer unit (27). This consists of a first hydraulic unit (28), formed as angle-adjustable hydraulic motor (29), and a second hydraulic unit (36), formed as an adjustable hydraulic pump, which is mechanically connected to the first. During simulation operation, the hydraulic accumulator (8) of the pump unit serves as drive for the first hydraulic unit.

IPC 1-7
B30B 1/32; **B30B 15/16**

IPC 8 full level
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CPC (source: EP US)
B30B 15/161 (2013.01 - EP US); **B30B 15/163** (2013.01 - EP US); **B30B 15/24** (2013.01 - EP US)

Citation (examination)
JP H09123000 A 19970513 - KAWASAKI YUKO KK

Cited by
AT516316B1; AT515369B1; WO2011021986A1

Designated contracting state (EPC)
DE ES FR IT SE

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