

Title (en)

Hydraulic control system for a hydraulically actuated clutch-brake combination in particular for the eccentric shaft of a mechanical press

Title (de)

Hydraulische Steuerung für eine hydraulisch betätigbare Kupplungsbremskombination insbesondere an der Exzenterwelle einer mechanischen Presse

Title (fr)

Commande hydraulique pour combinaison embrayage-frein à actionnement hydraulique en particulier pour l'arbre excentrique d'une presse mécanique

Publication

**EP 1211059 A3 20030416 (DE)**

Application

**EP 01127201 A 20011116**

Priority

- DE 10060083 A 20001202
- DE 10062229 A 20001213

Abstract (en)

[origin: EP1211059A2] The hydraulic control for the clutch of a mechanical press has an electrical pressure sensor (6) which detects the pressure operating on the hydraulic cylinder (61). A regulating electronic circuit (60) receives a pressure signal from the sensor. A regulating valve (40) is an electrically controlled proportional valve operated on the difference between actual and preset pressure values.

IPC 1-7

**B30B 15/14**

IPC 8 full level

**B30B 15/10** (2006.01); **B30B 15/14** (2006.01)

CPC (source: EP)

**B30B 15/10** (2013.01); **B30B 15/142** (2013.01)

Citation (search report)

- [A] WO 8600849 A1 19860213 - ZF HERION SYSTEMTECHNIK GMBH [DE]
- [A] DD 256851 A1 19880525 - WARNKE UMFORMTECH VEB K [DD]
- [A] DE 4314801 A1 19941110 - REXROTH MANNESMANN GMBH [DE]
- [A] EP 0829342 A1 19980318 - COOP GOIZPER S [ES]
- [AD] DE 19831144 A1 20000113 - MANNESMANN REXROTH AG [DE]
- [A] US 4580674 A 19860408 - WEBER HEINZ [DE]
- [A] DE 2935702 A1 19810312 - HERION WERKE KG
- [AD] US 3200917 A 19650817 - ROBERT HERR, et al

Cited by

EP3067192A1; DE102008051209A1; DE102008051209B4; EP2177346A3

Designated contracting state (EPC)

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

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 01127201 A 20011116;** DE 50110744 T 20011116; ES 01127201 T 20011116