

Title (en)

CONTROL DEVICE FOR HYDRAULIC PISTON/CYLINDER UNIT.

Title (de)

STEUERVORRICHTUNG FÜR EINEN HYDRAULISCHEN ARBEITSZYLINDER.

Title (fr)

DISPOSITIF DE COMMANDE POUR UN VERIN HYDRAULIQUE.

Publication

EP 0549628 B1 19940727

Application

EP 91915901 A 19910921

Priority

- DE 4032078 A 19901010
- DE 9100748 W 19910921

Abstract (en)

[origin: DE4032078A1] The control device described for a hydraulic piston/cylinder unit comprises a check valve (10) in which a valve-obturation body (40; 40A; 40B) acts in conjunction with a valve seat (41) forming an integral part of the housing. Fitted in the valve-obturation body is a pre-control element (72; 72A; 72B) which acts in conjunction with a valve seat (73; 73A; 73B), also located in the valve-obturation body, and chock bores (63, 64; 118, 119; 63B, 64B). The compressive forces acting on the pre-control element are balanced out so that this element can be operated by a proportional-action magnet (13).

IPC 1-7

F15B 13/01; **F15B 13/043**

IPC 8 full level

F15B 13/01 (2006.01); **F15B 13/043** (2006.01); **F15B 13/044** (2006.01)

CPC (source: EP US)

F15B 13/015 (2013.01 - EP US); **F15B 13/043** (2013.01 - EP US); **F15B 13/0442** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 9207194 A2 19920430; **WO 9207194 A3 19920529**; DE 4032078 A1 19920416; DE 4032078 C2 19970807; DE 59102380 D1 19940901; EP 0549628 A1 19930707; EP 0549628 B1 19940727; RU 2082024 C1 19970620; US 5328148 A 19940712

DOCDB simple family (application)

DE 9100748 W 19910921; DE 4032078 A 19901010; DE 59102380 T 19910921; EP 91915901 A 19910921; RU 93032369 A 19910921; US 97175193 A 19930126