

Title (en)

Hydraulic actuator

Title (de)

Hydraulischer Stellantrieb

Title (fr)

Dispositif de manoeuvre hydraulique

Publication

EP 0767310 A3 19990901 (DE)

Application

EP 96115789 A 19961002

Priority

DE 19537417 A 19951007

Abstract (en)

[origin: EP0767310A2] The device has a hydraulic actuator (2) with control piston (12). The piston has a piston section (16) which together with the valve slide (20) forms the servo valve (4) including valve return control. The piston section has a valve outlet (32,34), opening into the working chamber (8,10) in the area of the control piston. Hydraulic pressure source (P) and return (R) may be connected to the working chamber, via separate hydraulic lines (40,42), one of which contains the servo valve. The other line may contain a control valve (44). This is switched dependent upon the pressure level in the working chamber, and opposite to the servo valve.

IPC 1-7

F15B 9/10

IPC 8 full level

B64C 27/54 (2006.01); **F15B 9/10** (2006.01)

CPC (source: EP)

F15B 9/10 (2013.01)

Citation (search report)

- [X] DE 2300161 A1 19740711 - SAITO TADASHI
- [X] US 3135164 A 19640602 - SCOTTO DOMINICK P, et al
- [X] GB 654415 A 19510620 - RENE LEDUC
- [X] DE 2211994 A1 19730913 - FOLEY RONALD ARTHUR
- [X] GB 2072886 A 19811007 - ASEA AB
- [A] WO 9319300 A1 19930930 - HAMILTON C W F CO LTD [NZ]
- [A] US 3646849 A 19720307 - SMITH TREVOR STANLEY
- [A] US 3757640 A 19730911 - KAROL J
- [A] EP 0088017 A2 19830907 - PARISIENNE OUTILLAGE [FR]
- [A] DE 2207579 A1 19730830 - CLAAS MASCHF GMBH GEB
- [A] GB 841995 A 19600720 - BOULTON AIRCRAFT LTD

Cited by

CN114215804A; EP0894982A3

Designated contracting state (EPC)

DE FR IT NL

DOCDB simple family (publication)

EP 0767310 A2 19970409; EP 0767310 A3 19990901; EP 0767310 B1 20050420; DE 19537417 A1 19970410; DE 19537417 C2 19970724; DE 59611218 D1 20050525

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