

Title (en)  
Pilot-actuated servovalve

Title (de)  
Vorgesteuertes Servoventil

Title (fr)  
Servo-soupape asservie

Publication  
**EP 0628731 B1 19980715 (DE)**

Application  
**EP 94107440 A 19940513**

Priority  
LU 88277 A 19930527

Abstract (en)  
[origin: EP0628731A1] A pilot-actuated servovalve with at least three main flow connections (50, 51, 52, 53) for space-saving installation in a control block is presented. The discharge into the control sleeve (5) for the first main flow connection (50) is formed opposite a piston end face (12) of the main control piston (6). In a pressure-compensation chamber (25), the main control piston (6) forms a pressure-compensation area (13). The pressure-compensation chamber (25) is hydraulically connected to the first main flow connection (50) by a pressure-relief passage (18, 20) in the main control piston (6). A return spring (24) exerts a spring force on the main control piston (6) in the direction of a first axial end stop and thus clearly secures a safety end position. The valve is distinguished by good dynamic behaviour. <IMAGE>

IPC 1-7  
**F15B 13/042**; **F15B 20/00**

IPC 8 full level  
**F15B 13/043** (2006.01); **F15B 13/04** (2006.01); **F15B 20/00** (2006.01); **F16K 11/07** (2006.01); **F16K 31/12** (2006.01)

CPC (source: EP US)  
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