

Title (en)

PILOT VALVE, ESPECIALLY FOR SERVO VALVES

Title (de)

PILOTVENTIL, INSBESONDERE FÜR SERVOVENTILE

Title (fr)

SOUPAPE PILOTE, NOTAMMENT POUR DES SERVO-SOUPAPES

Publication

EP 1781953 A1 20070509 (DE)

Application

EP 05781992 A 20050802

Priority

- EP 2005008368 W 20050802
- DE 102004038380 A 20040806

Abstract (en)

[origin: WO2006015771A1] Disclosed is a pilot valve, especially for a servo valve, comprising an actuating motor (6) and a hydraulic preamplifier via which a control pressure difference can be created that acts upon a main slider (32) of a main stage (4). According to the invention, a blocking mechanism (26) is embodied in the flow path of the control oil. A control duct (14, 16) that is connected, either directly or via a branch, to a control chamber of the main stage can be blocked by manually actuating said blocking mechanism (26) while the other control duct remains open. The other control duct can be blocked by actuating the blocking mechanism in the opposite direction while the first control duct remains open. A control pressure difference by means of which the main slider can be displaced into a predetermined position can be created manually by actuating said blocking mechanism.

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2006015771A1

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