

Title (en)
CONTROL VALVE

Publication
EP 0086632 A3 19840822 (EN)

Application
EP 83300678 A 19830210

Priority
AU 266982 A 19820211

Abstract (en)
[origin: EP0086632A2] A control valve (1) for an hydraulic piston-cylinder assembly (28) having one port (10) connected to the cylinder (27) and another port (11) connectable into a circuit which controls relative movement between the cylinder (27) and piston (30). The two ports (10, 11) communicate through the body (2) of the valve (1) and a closure member (4) is movable between positions at which it opens and closes that communication. A striker (21) associated with the piston-cylinder assembly (28) and responsive to relative movement thereof in one direction, is engagable with an abutment (22) of the closure member (4) so as to move that member (4) towards the valve closed position. As the closure member (4) approaches the closed position, a throttling portion (19) of that member (4) becomes operative to restrict fluid flow between the valve ports (10, 11) and thereby creates a pressure differential which acts across the closure member (4) to move that member (4) free of the influence of the striker (21) and into the closed position. When the throttling portion (19) is inoperative, fluid pressure within the valve (1) tends to urge the closure member (4) towards the open position.

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F15B 15/24

IPC 8 full level
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CPC (source: EP)
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Citation (search report)

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- [X] FR 1252062 A 19610127
- [X] CA 1044571 A 19781219 - SENEGAL GEORGE, et al
- [A] FR 2132013 A1 19721117 - CATERPILLAR TRACTOR CO, et al
- [A] HYDRAULICS AND PNEUMATICS, vol. 32, May 1979, pages 72-75, Cleveland, USA

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