

Title (en)
Valve device.

Title (de)
Ventilanordnung.

Title (fr)
Dispositif de clapet.

Publication
EP 0393800 B1 19940817 (EN)

Application
EP 90201568 A 19890316

Priority

- EP 89302606 A 19890316
- JP 6888288 A 19880323
- JP 7707688 A 19880330
- JP 10323288 A 19880426

Abstract (en)
[origin: EP0343773A1] In a pump apparatus in which the action of a piston (3) draws fluid into and pumps fluid from a valve chamber (1), a partition is provided between the piston cylinder (21) and the valve chamber (1). The partition is able to transmit the force of the piston action, and for this purpose the cylinder (21) side (A) of the partition contains a suitable liquid medium that transmits the actuation of the piston (3). A screening (19) means is provided in a passage between the partition (18) and the valve chamber (1) to screen out particles in the fluid that exceed a prescribed size. The overall effect is to eliminate wear to working parts of the valve caused by entrained particles. In addition there is a valve device (8,9) which prevents bounce or vibration of valve-pieces during high pressure/high speed pumping operations.

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IPC 8 full level
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EP 0343773 A1 19891129; EP 0343773 B1 19931118; AU 3160689 A 19890928; AU 626838 B2 19920813; AU 639071 B2 19930715;
AU 7113391 A 19910502; CA 1338102 C 19960305; DE 68910726 D1 19931223; DE 68910726 T2 19940324; DE 68917587 D1 19940922;
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