

Title (en)

Variable displacement pump system.

Title (de)

Pumpanordnung mit veränderlicher Verdrängung.

Title (fr)

Système de pompage à refoulement variable.

Publication

EP 0226125 A2 19870624 (EN)

Application

EP 86116785 A 19861203

Priority

US 80852785 A 19851213

Abstract (en)

A variable displacement pump system including a pressure and a load sensing compensator (18,19) for operating a pump adjusting mechanism (11-13) to vary the displacement by applying hydraulic fluid to a hydraulic positioning piston (13) and a spring biased piston (12). The load sensing compensator (19) senses the pressure drop of the working fluid flow across a system valve (15) and applies a modulated pressure to the hydraulic positioning piston (13). The spring biased piston (12) is connected (line 21) to a load sensing line (20).

IPC 1-7

F04B 1/26; **F04B 49/08**

IPC 8 full level

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CPC (source: EP)

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EP 0226125 A2 19870624; **EP 0226125 A3 19890705**; **EP 0226125 B1 19910403**; CA 1248410 A 19890110; CN 1007542 B 19900411; CN 86108529 A 19870617; DE 3678538 D1 19910508; IN 166532 B 19900526; JP H0819922 B2 19960304; JP S62253980 A 19871105

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EP 86116785 A 19861203; CA 525243 A 19861212; CN 86108529 A 19861212; DE 3678538 T 19861203; IN 870CA1986 A 19861202; JP 29568386 A 19861211