

Title (en)
VARIABLE DISPLACEMENT PUMP SYSTEM

Publication
EP 0226125 B1 19910403 (EN)

Application
EP 86116785 A 19861203

Priority
US 80852785 A 19851213

Abstract (en)
[origin: EP0226125A2] 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).

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F04B 1/26; F04B 49/08

IPC 8 full level
F04B 1/26 (2006.01); **E21B 43/00** (2006.01); **F04B 1/32** (2006.01); **F04B 47/02** (2006.01); **F04B 49/00** (2006.01); **F15B 11/00** (2006.01)

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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