

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).

IPC 1-7  
**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)

CPC (source: EP)  
**F04B 1/324** (2013.01)

Cited by  
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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