

Title (en)

DEVICE FOR REGULATING THE PRESSURE AND THE CAPACITY OF A VARIABLE-CAPACITY PUMP

Publication

**EP 0164602 B1 19890920 (DE)**

Application

**EP 85105969 A 19850515**

Priority

DE 3422089 A 19840614

Abstract (en)

[origin: US4708596A] A pressure and delivery regulating device for an adjustable pump includes a directional control valve connected in a discharge conduit and to a control conduit branching from the discharge conduit between the pump and the directional control valve. The control conduit leads to a setting piston for the adjustment of the pump. The directional control valve is controlled by a solenoid which in turn is controlled by a control system consisting of a regulating circuit, a delivery limiting circuit and a control circuit for the solenoid. The output signal from the regulating circuit controls a desired delivery value signal supplied to the delivery limiting circuit. A follow-up circuit connected between the regulating circuit and the delivery limiting circuit corrects the regulating signal and a circuit for producing a direction dependent signal from the actual pressure provides a damping of the regulating circuit.

IPC 1-7

**F04B 49/06; F04B 49/08**

IPC 8 full level

**F04B 49/00** (2006.01); **F04B 49/06** (2006.01); **F04B 49/08** (2006.01)

CPC (source: EP US)

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Cited by

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