

A Hydraulic Flow Control Device by Means of a Digital Poppet Valve

Applications:

- Prosthetic Finger
- Mobile Hydraulics

Advantages:

- Low cost of construction
- Zero internal leakage flows due to the poppet style of valve
- Low electrical power required to modulate the hydraulic source
- Valves can be combined to allow individual control of each flow port.

Summary:*Technology Description*

The technology is for a flow control device which uses the fluid modulation method utilizes a high speed on/off solenoid poppet valve.

Technology Application

A method to accurately modulate the flow of fluid from a high pressure hydraulic source (or high pressure load).

Stage of Development: Pilot Scale

Patent Status: Patent pending

Licensing Status: Available for licensing

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