

Title (en)
PLUNGER PUMP POWER CONTROL DEVICE AND CONTROL METHOD THEREOF

Title (de)
LEISTUNGSREGELUNGSVORRICHTUNG FÜR EINE KOLBENPUMPE UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
DISPOSITIF DE COMMANDE DE PUISSANCE DE POMPE À PISTON ET SON PROCÉDÉ DE COMMANDE

Publication
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Application
EP 13897807 A 20131202

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Abstract (en)
[origin: EP2944818A1] A plunger pump power control device and a control method thereof. The device comprises a valve body, a valve core, a valve sleeve, a stop plug, a spring pre-loaded mechanism, a feedback mechanism and a slide valve. The slide valve is provided within one end of the valve core. The stop plug is provided at one end of the valve body, and the spring pre-loaded mechanism is provided at the other end of. The valve sleeve, the valve core, and the slide valve are provided between the stop plug and the spring pre-loaded mechanism, and the feedback mechanism is hinged on the valve body. The device enables the hydraulic plunger pump to control the output power, the pump power output is simulated by two broken lines, and the error is less. It is flexible to load variable by the valve core through the pressure of the C-cavity.

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