

Title (en)
CONTROL CIRCUIT FOR A PNEUMO-HYDRAULIC PRESSURE INTENSIFIER

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Application
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Abstract (en)
[origin: WO8300540A1] Pneumatically controlled pressure transducer intended to actuate hydraulic working members and provided with a double motor cylinder; on one side thereof there is a pneumatically actuated cylinder, and on the other side a hydraulically actuated cylinder; it is also provided with hydraulic working means connected to the hydraulic side. The invention is characterized by the presence of a control valve connected to the primary chamber which is before the piston of the pneumatic cylinder of the motor cylinder, valve which is in operation relationship with a starting valve while being connected by a choke retainer valve with another valve, and being also connected through a draining valve with the hydraulic tank, respectively by the valve with the secondary chamber of the pneumatic cylinder. Another essential characteristic consists in that the control valve is connected by the choke retainer valve of the hydraulic tank with the hydraulic cylinder of the double motor cylinder, thereby allowing an obturation by means of the hydraulic piston. The conduit located between the valve and the cylinder is in control relationship with the control valve through an additional choke retainer valve. The pressure transducer according to the invention is a relatively economical device having a unitary and simple structure, by means of which a large variety of hydraulic working members may be actuated in a way which is determined by the working members applied as well as by the operation mode subject to the work to be performed.

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Citation (examination)
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