

Title (en)

Construction and/or application in relation to the generation or the use of pressures, forces, flows and movements in and by means of hydraulic or hydro-pneumatic systems.

Title (de)

Vorrichtung und/oder Anwendung im Zusammenhang mit der Erzeugung oder Verwendung von Drücken, Kräften, Strömungen und Bewegungen in oder mittels hydraulischer oder hydro-pneumatischer Systeme.

Title (fr)

Dispositif et/ou application en relation avec la génération ou l'utilisation de pressions, forces, écoulements et mouvements dans des et au moyen de systèmes hydrauliques ou hydro-pneumatiques.

Publication

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Application

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Abstract (en)

The main object of this invention is the generation of pressures, forces, flows and motion and several methods are given in principle concerning the application of the hydraulic scheme as well as the constructions which are especially suitable for the generation. Characteristic for these hydraulic schemes are the consistent pressure or volume controlled schemes and the flexible adjustment between the motion of the piston and the motion of the hydraulic flow. With this a universal rotating control valve is important; characteristic of it is the adjustability of the relative opening times in different phases. Further a mass motion reactor which transforms kinetic energy into pressure. The applications are mainly related to transport under influence of shock, asymmetric vibrations, dynamic effects by asymmetric vibrations and effects on the frictional resistance by vibrations and savings in and simplification of constructions by replacement of static forces which require a frame through dynamic forces where the reaction is supplied by the inertia of a mass, where this is useful for the speed, and the simplicity is the pneumatic drive combined with the hydraulic drive.

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Cited by

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