

Title (en)
ELECTROMAGNETICALLY OPERATING ADJUSTMENT SYSTEM

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Application
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Priority
DE 3513109 A 19850412

Abstract (en)
[origin: ES8703180A1] An electromagnetically-actuated positioning mechanism for opposed spring-biased reciprocating valve actuators in displacement machines, having an electromagnetically-actuated adjusting solenoid device for shifting the locus of equilibrium of the actuators' spring systems at startup. While the position of equilibrium is predetermined when the adjusting solenoid is in the energized state, it is unnecessary for valves to be in the fully closed position when the adjusting solenoid is in the non-energized state. In the position of equilibrium as shifted by adjusting device, the distance of a gas exchange valve from one of the two operating positions is approximately 10% to 40% of the total distance between the two operating positions, and is at least partly open. The invention is particularly applicable to lifting valves and sliding gate valves, and for valves in internal combustion engines.

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IPC 8 full level
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