

Title (en)
ELECTROMAGNETICALLY OPERATING ADJUSTMENT SYSTEM

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Application
EP 86103469 A 19860314

Priority
DE 3513107 A 19850412

Abstract (en)
[origin: US4682574A] An electromagnetic positioning system in displacement machines such as internal combustion engines in which spring-loaded valve actuators are shifted between two operating positions. Upon startup, the locus of equilibrium of the spring system is shifted by means of an adjusting solenoid which moves one of the spring system supporting seat members. The support seat member for the spring system is secured to and guided by a sleeve which, upon startup, is guided along the actuator rod. When the device is in its operating position, the actuator rod is guided in the sleeve. The working surface of the adjusting solenoid core has a beveled surface which assists in centering the sleeve in its operating position. The invention is particularly applicable to lifting valves and sliding gate valves, e.g., intake and exhaust valve actuators.

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IPC 8 full level
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Cited by
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