

Title (en)

Engine valve drive with electromagnetic actuators comprising pneumatic return springs

Title (de)

Ventilsteuerung für Brennkraftmaschinen mit einem mit Gasfedern ausgerüsteten elektro-magnetischen Aktor

Title (fr)

Commande de soupape de moteur à combustion interne par actionneur électromagnétique muni de ressorts de rappel pneumatiques

Publication

EP 1120548 B1 20050727 (DE)

Application

EP 00126373 A 20001202

Priority

DE 10003116 A 20000126

Abstract (en)

[origin: EP1120548A2] The valve control (1) has an electromagnetic actuator (2) provided with gas springs (3,4), with an armature (6) coupled to the engine gas changing valve (5) provided by a separation piston (13) between the gas springs, displaced within a cylinder (12) between a closure magnet (7) and an opening magnet (8) against the return force of the gas springs. The latter have gas entry and exit valves (10,11) controlled in dependence on the engine load range for altering the spring characteristic.

IPC 1-7

F01L 9/04

IPC 8 full level

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CPC (source: EP)

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