

Title (en)
GAS-DISTRIBUTING MECHANICAL ARRANGEMENT AUTOMATICALLY CHANGING INJECTION AND EXHAUST GAS VALVE TIMING

Title (de)
MECHANISCHE GASVERTEILUNGSANORDNUNG ZUR AUTOMATISCHEN ÄNDERUNG DES EINSPRITZ- UND ABGASVENTILTRIEBS

Title (fr)
AGENCEMENT MECANIQUE DE DISTRIBUTION DE GAZ A MODIFICATION DE REGLAGE AUTOMATIQUE DE D'INJECTION ET DISTRIBUTION DE GAZ D'ECHAPPEMENT

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Application
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Abstract (en)
[origin: WO2006014098A1] The invention refers to the mechanical engineering industry, more properly to the internal combustion engine gas-distributing device configuration improvement. In the proposed device for the internal combustion engine the injecting and exhausting gas valve timing occurs in automatic mode in relation to the load applied to the engine shaft and the shaft speed. Several alternatives of the invention realization are proposed.. In the most preferred embodiment of the invention (fig.3b and fig.5) the camshafts cams 30 and 31 operates through the rocker arms 33, mounted on the axle 32, at that each cylinder has four distributing valves two admission 10 and two emission 11 valves disposed in mutually antithetic position, as well as two camshafts 21 and 26, which are similar by construction with those installed in the two camshafts engines each cylinder has one admission and one emission camshaft. In such a rocker arms 33 and cams 30 and 31 interaction with admission 10 and emission 11 valves there are one intake and one discharge manifolds on the cylinder flow head opposite sides.

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