

Title (en)
DEVICE FOR VARIABLY ACTUATING THE GAS EXCHANGE VALVES IN RECIPROCATING ENGINES

Title (de)
VORRICHTUNG ZUR VARIABLEN BETÄTIGUNG DER LADUNGSWECHSELVENTILE IN HUBKOLBENMOTOREN

Title (fr)
DISPOSITIF PERMETTANT D'ACTIONNER DE MANIERE VARIABLE LES SOUPAPES DE CHANGEMENT DES GAZ DANS DES MOTEURS A PISTONS ALTERNATIFS

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Application
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Abstract (en)
[origin: US2005028766A1] The aim of the invention is to fulfill, in a way that is superior to that of the previous state of the art, the demands placed by the engine on a variable valve control with regard to the shaping and accuracy of the valve lifting curves, to the simplicity of the structural design of the valve drive and of the associated adjusting mechanism, and to mechanical losses due to friction. These demands are met without any additional structural complexity, and, more particularly, without any changes to the overall height. This feat is achieved by means of the provision of a rotatable drive consisting of a housing (G), a shaft (W), an intermediate element (Z), and of an output element (A).

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