

Title (en)
FULLY VARIABLE MECHANICAL VALVE DRIVE MECHANISM FOR A PISTON-TYPE INTERNAL COMBUSTION ENGINE COMPRISING
ADJUSTABLE VALVE PLAY COMPENSATION

Title (de)
VOLLVARIABLER MECHANISCHER VENTILTRIEB FÜR EINE KOLBENBRENNKRAFTMASCHINE MIT JUSTIERBAREM
VENTILSPIELAUSGLEICH

Title (fr)
ENTRAÎNEMENT MÉCANIQUE DE SOUPAPE ENTIÈREMENT VARIABLE DESTINÉ À MOTEUR À COMBUSTION INTERNE À PISTON
ALTERNATIF À ÉQUILIBRE DE JEU DE SOUPAPES RÉGLABLE

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Application
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Abstract (en)
[origin: WO2004067924A1] The invention relates to a variably adjustable valve drive mechanism for at least one gas exchange valve (1) of a piston engine, especially a reciprocating internal combustion engine, said gas exchange valve (1) comprising a closing spring (2). The inventive valve drive mechanism is provided with a driving means (14) that acts upon a stroke-transmitting means (4) which is formed by several cooperating partial elements, affects the gas exchange valve (1) counter to the force of the closing spring (2), comprises an adjustable control element (12), and is effectively connected to a drag lever (5). The free end of said drag lever (5) rests on the shaft end (3) of the gas exchange valve (1) while the other end thereof is mounted on a play-compensating element (6) which forms a pivot bearing (6.1) and is disposed on the cylinder head. Said other end of the drag lever (5) is connected to a means (20) for adjusting the pivot bearing (9) relative to the stroke-transmitting means (4).

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