

Title (en)  
VALVEGEAR MECHANISM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)  
VENTILTRIEB-VORRICHTUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)  
MECANISME DE DISTRIBUTION A SOUPAPES POUR UN MOTEUR A COMBUSTION INTERNE

Publication  
**EP 1389266 B1 20090318 (DE)**

Application  
**EP 02732620 A 20020416**

Priority  
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• EP 0204175 W 20020416

Abstract (en)  
[origin: US6959674B2] A valve gear mechanism for an internal combustion engine includes a camshaft in a separate cylinder head for controlling the stroke of a gas shuttle valve by means of an interposed rocker arm, which is mounted in the cylinder head of a piston that performs a lifting motion of a hydraulic valve-play compensation element. The aim of the invention is to achieve a play-free surface liaison of mechanical origin between the actuating elements of the gas shuttle valve. To achieve this, the piston of the hydraulic compensation element has a device that acts on an instrument for mechanically actuating a lifting stroke in order to achieve a play-free surface liaison of the contact surfaces of the rocker arm and an additional valve gear element, while the valve-play compensation element is maintained hydraulically without pressure.

IPC 8 full level  
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**WO 02095193 A1 20021128**; AT E426086 T1 20090415; DE 10125082 A1 20021128; DE 50213367 D1 20090430; EP 1389266 A1 20040218; EP 1389266 B1 20090318; ES 2320634 T3 20090527; JP 2004521235 A 20040715; JP 3981637 B2 20070926; US 2004168661 A1 20040902; US 6959674 B2 20051101

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