

Title (en)

DEVICE FOR VARIABLY ADJUSTING THE CONTROL TIMES OF GAS EXCHANGE VALVES OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUR VARIABLEN EINSTELLUNG DER STEUERZEITEN VON GASWECHSELVENTILEN EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF DE RÉGLAGE VARIABLE DES TEMPS DE COMMANDE DES SOUPAPES D'ÉCHANGE DE GAZ D'UN MOTEUR À COMBUSTION INTERNE

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Application

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Abstract (en)

[origin: WO2010040617A1] The invention relates to a device (11) for variably adjusting the control times of gas exchange valves (9, 10) of an internal combustion engine (1) having a hydraulic phase shifting device (12), a camshaft (6, 7), and a pressure accumulator (15), wherein the phase shifting device (12) can be brought into a drive connection with a crankshaft (2) and is connected to the camshaft (6, 7) in a rotationally fixed manner, wherein a phase position of the camshaft (6, 7) relative to the crankshaft (2) can be variably adjusted by means of the phase shifting device (12) and wherein the interior of the camshaft (6, 7) comprises a cavity (38).

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