

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

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011064231A1] The invention relates to a camshaft adjuster (11) for a camshaft (35), by means of which cylinder valves (12) of an internal combustion engine are actuated, wherein by means of the camshaft (35) late torques act on the camshaft adjuster (11) in the direction of later cylinder valve opening times when the cam is rising, and opposing early torques act on the camshaft adjuster (11) in the direction of earlier opening times when the cam is falling, wherein the feeding and draining of pressure medium can be controlled by means of a control unit (20), wherein a torque mode or a pump mode can be selectively adjusted by means of the control unit (20), wherein primarily camshaft torques are used for building up pressure in the first partial chamber A or in the second partial chamber B in the torque mode, while the pressure build-up in the first partial chamber A or in the second partial chamber B in the pump mode is primarily brought about by means of pressure medium provided by a pressure medium pump P.

IPC 8 full level

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