

Title (en)

DEVICE FOR VARIABLY ADJUSTING 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 DE LA DISTRIBUTION DE SOUPAPES DE RENOUVELLEMENT DES GAZ D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2220345 B1 20110622 (DE)

Application

EP 08856752 A 20081124

Priority

- EP 2008066065 W 20081124
- DE 102007058491 A 20071205

Abstract (en)

[origin: US2011174253A1] A device for variably adjusting control times of gas exchange valves of an internal combustion engine. The device has a drive element, an output element, a rotation angle limiting device and a control valve and counter-working pressure chambers are also provided. Phase adjustment between the output and drive element is initiated by applying pressure to one pressure chamber while discharging the other pressure chamber. The rotation angle limiting device can be locked or unlocked to prevent or allow phasing. The control valve has a valve housing and a control piston. An inflow connection, an outflow connection, a control connection and two working connections are embodied on the valve housing.

IPC 8 full level

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CPC (source: EP US)

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