

Title (en)
APPARATUS FOR VARIABLY ADJUSTING THE CONTROL TIMES OF GAS EXCHANGE VALVES IN AN INTERNAL COMBUSTION ENGINE

Title (de)
VORRICHTUNG ZUR VARIABLEN EINSTELLUNG DER STEUERZEITEN VON GASWECHSELVENTILEN EINER BRENNKRAFTMASCHINE

Title (fr)
DISPOSITIF DE RÉGLAGE VARIABLE DES TEMPS D'OUVERTURE ET DE FERMETURE DE SOUPAPES D'ÉCHANGE DES GAZ D'UN MOTEUR À COMBUSTION INTERNE

Publication
EP 2215331 B1 20110629 (DE)

Application
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Priority
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• DE 102007056683 A 20071124

Abstract (en)
[origin: US2010313834A1] An apparatus for variably adjusting the control times of gas exchange valves in an internal combustion engine. The apparatus has a driving element, an output element, at least one pressure chamber, a pressurized medium supply device, and at least one pressure accumulator. The pressurized medium supply device allows pressurized medium to be fed to or discharged from the at least one pressure chamber. A phase angle of the output element relative to the driving element can be changed by supplying or discharging pressurized medium to or from the pressure chamber. The pressure accumulator encompasses a movable element that has a first pressure surface which partially delimits a storage space. The storage space is connected to the pressurized medium supply device. The movable element can be moved against the force of an energy store by pressurizing the storage space.

IPC 8 full level
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