

Title (en)

METHOD FOR OPERATING AN ELECTROHYDRAULIC VALVE CONTROL SYSTEM OF AN INTERNAL COMBUSTION ENGINE, COMPUTER PROGRAM AND CONTROL AND REGULATING DEVICE FOR OPERATING AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM BETREIBEN EINER ELEKTROHYDRAULISCHEN VENTILSTEUERUNG EINER BRENNKRAFTMASCHINE, COMPUTERPROGRAMM SOWIE STEUER- UND REGELGERÄT ZUM BETREIBEN EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE COMMANDE D'UN SYSTEME DE CONTROLE DE SOUPAPE ELECTROHYDRAULIQUE DE MOTEUR A COMBUSTION INTERNE, PROGRAMME D'ORDINATEUR ET ENSAMBLE DE CONTROLE ET DE REGULATION POUR COMMANDER UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO03016682A1] The invention relates to an electrohydraulic valve control system (10) of an internal combustion engine, comprising at least one actuator (24) which acts on a gas exchange valve (38). Said actuator, in turn, comprises at least one working chamber (30) which is connected to a high-pressure hydraulic accumulator (16) for actuating the actuator (24) in such a way that it moves from a first position to a second position, and which is separated from a low-pressure return line (56). In order to actuate the actuator (24) in such a way that it moves back from the second position into the first position, the working chamber (30) is connected to the low-pressure return line (56) and is separated from the high-pressure hydraulic accumulator (16). In order to easily maintain the pressure constant or to cause a pressure drop in the high-pressure hydraulic accumulator (16), the working chamber (30) is simultaneously connected to the high-pressure hydraulic accumulator (16) and to the low-pressure return line (56).

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