

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

EP 1430201 B1 20050921 (DE)

Application

EP 02747175 A 20020528

Priority

- DE 0201957 W 20020528
- DE 10138881 A 20010808

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).

IPC 1-7

F01L 9/02

IPC 8 full level

F01L 9/10 (2021.01)

CPC (source: EP US)

F01L 9/10 (2021.01 - EP US); **F01L 2800/00** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 03016682 A1 20030227; DE 10138881 A1 20030227; DE 50204345 D1 20051027; EP 1430201 A1 20040623; EP 1430201 B1 20050921; JP 2004538416 A 20041224; JP 4047807 B2 20080213; KR 100852805 B1 20080818; KR 20040019008 A 20040304; US 2004069255 A1 20040415

DOCDB simple family (application)

DE 0201957 W 20020528; DE 10138881 A 20010808; DE 50204345 T 20020528; EP 02747175 A 20020528; JP 2003520955 A 20020528; KR 20037004929 A 20030407; US 39857703 A 20031010