

Title (en)

DEVICE FOR THE VARIABLE CONTROL OF AT LEAST ONE VALVE, FOR EXAMPLE FOR A RECIPROCATING ENGINE

Title (de)

VORRICHTUNG ZUR VARIABLEN STEUERUNG MINDESTENS EINES VENTILS, ZUM BEISPIEL FÜR EINE HUBKOLBENMASCHINE

Title (fr)

DISPOSITIF DE COMMANDE VARIABLE D'AU MOINS UNE SOUPEPE, PAR EXEMPLE POUR UN MOTEUR ALTERNATIF

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Application

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Abstract (en)

[origin: WO2013114041A1] The invention relates to a device for controlling at least one valve (2), comprising a body (8) comprising a dimensionally stable cavity (9) communicating exclusively with the outside by means of at least four straight cylinders (10, 11, 12, 13) closed respectively by an opening piston (P1) actuated by an opening cam (C1), a closing piston (P2) actuated by a closing cam (C2), a shuttle piston (Pa) for arming or disarming the device, and a piston (Ps) mechanically linked to the valve (2). The control device according to the invention is used to adjust, during operation and by adjusting the angular phase difference between the opening cam (C1) and the closing cam (C2), the valve lift (2), the angular duration of opening of the valve (2) and, if necessary, to completely deactivate the valve (2) for the entire duration of a cycle.

IPC 8 full level

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