

Title (en)

HYDRAULIC CONTROL DEVICE FOR VALVES OF INTERNAL COMBUSTION ENGINES.

Title (de)

HYDRAULISCHE VENTILSTEUERVORRICHTUNG FÜR BRENNKRAFTMASCHINEN.

Title (fr)

DISPOSITIF DE COMMANDE HYDRAULIQUE DE SOUPAPES DE MOTEURS A COMBUSTION INTERNE.

Publication

**EP 0455761 B1 19931229 (DE)**

Application

**EP 90915296 A 19901026**

Priority

DE 3939065 A 19891125

Abstract (en)

[origin: WO9108385A1] A hydraulic control device for valves of multi-cylinder internal combustion engines comprises a storage chamber (26) associated with the pressure chamber (19) of the valve tappet. The storage chamber (26) has a storage piston (23) which acts at the same time as a valve and which enables the storage chamber (26) to be separated from the pressure chamber (19). The storage piston (23) is displaced from its rear position to assume its storage function by means of a hydraulic impact controlled by a solenoid valve (34) and transmitted to the storage chamber (26) via a control line (35), in which a nonreturn valve (36) is arranged. The storage piston (23) is displaced only when the valve is actuated by a drive cam (4) when the working pressure in the pressure chamber (19) is sufficient to displace the storage piston (23).

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**F01L 9/02**

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CPC (source: EP US)

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