

Title (en)

DEVICE FOR THE VARIABLE CONTROL OF GAS EXCHANGE VALVES IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUR VARIABLEN STEUERUNG DER GASWECHSELVENTILE EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF POUR COMMANDER DE MANIERE VARIABLE LES SOUPAPES DE CHANGEMENT DES GAZ D'UN MOTEUR A COMBUSTION INTERNE

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Application

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Abstract (en)

[origin: WO03018964A2] The invention relates to a device for the variable control of gas exchange valves in an internal combustion engine. At least one of the gas exchange valves is controlled by the cam (1) of a cam shaft (2), provided with a cam contour with a circular base section (4) and a cam summit section (6). According to the invention, a radially retractable and extractable piston (12) is provided which can be guided through the cam (1) and which can be pressure actuated for variable adjustment of the cam contour, said piston forming, on the end side thereof, at least one part of the cam summit section (6).

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