Title (en)

DEVICE FOR CONTROLLING THE LIFT OF A GAS EXCHANGE VALVE IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUR REGELUNG DES HUBVERLAUFES EINES GASWECHSELVENTILS EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF POUR REGLER LA LEVEE D'UNE SOUPAPE DE CHANGEMENT DES GAZ D'UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2006050789A1] The invention relates to a device and a method for controlling the lift of a gas exchange valve in an internal combustion engine. The device comprises a controlled drive device with an operating element, for operating the gas exchange valve, two energy storage means acting in opposing directions on the gas exchange valve and a regulation device for controlling the drive device. The regulation device controls the drive device according to a stored set path, by means of which the gas exchange valve is displaced from a first end position into a second end position and vice versa. According to the invention, the set path is embodied such as to reflect the ideal attenuation property of the energy store/ drive element/energy store system of the device without account being taken of further environmental influences.

IPC 8 full level

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CPC (source: EP US)

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