

Title (en)

AN ARRANGEMENT AND A METHOD OF OPERATING A GAS EXCHANGE VALVE OF AN INTERNAL COMBUSTION ENGINE, A CYLINDER HEAD AND A METHOD OF UPGRADING AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BETÄTIGUNG EINES GASWECHSELVENTILS EINER BRENNKRAFTMASCHINE, ZYLINDERKOPF UND VERFAHREN ZUR AUFRÜSTUNG EINES VERBRENNUNGSMOTORS

Title (fr)

AGENCEMENT ET PROCÉDÉ D'ACTIONNEMENT D'UNE SOUPAPE D'ÉCHANGE DE GAZ D'UN MOTEUR À COMBUSTION INTERNE, CULASSE ET PROCÉDÉ DE RATTRAPAGE D'UN MOTEUR À COMBUSTION INTERNE

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Abstract (en)

[origin: WO2012072878A1] The present invention relates to an arrangement and a method of operating a gas exchange valve of an internal combustion engine. The present invention discusses the operating of a gas exchange valve (102) of an internal combustion engine by means of a pressure medium actuator (10) with help of control means (80, 82, 84; 90, 92, 94) in relation to one or more engine characteristics by, when opening the gas exchange valve (102), selecting one or more opening pressure chambers (40, 42, 44) to be connected to a pressure medium supply (70) for adjusting a force opening the gas exchange valve (102), and when closing the gas exchange valve (102), connecting the opening pressure chambers (40, 42, 44) to a pressure outlet (60). The present invention also relates also to a novel cylinder head and a new method of upgrading an internal combustion engine.

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