Title (en)

APPARATUS FOR THE VARIABLE SETTING OF THE CONTROL TIMES OF GAS EXCHANGE VALVES OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUR VARIABLEN EINSTELLUNG DER STEUERZEITEN VON GASWECHSELVENTILEN EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF D'AJUSTEMENT VARIABLE DES INSTANTS D'ACTIVATION DES SOUPAPES D'UN MOTEUR A COMBUSTION INTERNE

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Application

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Priority

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Abstract (en)

[origin: WO2007093480A1] The invention relates to an apparatus (10) for the variable setting of control times of gas exchange valves (9a, 9b) of an internal combustion engine (1), having an inner rotor (23) and an outer rotor (22) which is arranged such that it can rotate relative to the former, wherein the inner rotor (22) has a constant phase relationship to a crankshaft (2) of the internal combustion engine (1), wherein the apparatus (10) has one or more coupling elements (44), into which a drive shaft (12) of an additional assembly (11) can engage, and wherein torque can be transmitted from the apparatus (10) to the drive shaft (12) by means of the coupling element (44) or coupling elements (44). It is proposed here to connect the coupling element (44) or coupling elements (44) fixedly in terms of rotation to the inner rotor (23) or to configure it/them in one piece with the latter.

IPC 8 full level

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Citation (search report)

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