

Title (en)

METHOD AND DEVICE FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM STEUERN EINER BRENNKRAFTMASCHINE

Title (fr)

PROC D ET DISPOSITIF DE COMMANDE D'UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

EP 05766777 A 20050707

Priority

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- DE 102004038338 A 20040806

Abstract (en)

[origin: WO2006015919A1] An internal combustion engine comprises an intake tract in which a throttle valve is disposed. The engine also comprises a camshaft which acts on gas inlet valves associated with respective cylinders. A phase-adjustment device is used to adjust a phase between the camshaft and a crankshaft. A desired air mass flow (MAF) in a combustion chamber of the cylinder is determined depending on a charge requirement requested by the driver. The desired air mass flow (MAF) is adjusted by varying the phase (PH) between the camshaft and the crankshaft if the desired air mass flow (MAF) can be adjusted by varying the phase (PH) while substantially maintaining an actual pressure difference upstream and downstream of the throttle valve. Otherwise, the desired air mass flow (MAF) is adjusted by varying the opening angle (THR) of the throttle valve.

IPC 8 full level

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