

Title (en)

INTERNAL COMBUSTION ENGINE HAVING AT LEAST ONE CYLINDER COMPRISING A TORSION-PROOF CAMSHAFT

Title (de)

BRENNKRAFTMASCHINE MIT ZUMINDEST EINEM ZYLINDER MIT EINER DREHSTEIFEN NOCKENWELLE

Title (fr)

MOTEUR À COMBUSTION INTERNE DOTÉ D'AU MOINS UN CYLINDRE ÉQUIPÉ D'UN ARBRE À CAMES RIGIDE À LA TORSION

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Application

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Abstract (en)

[origin: WO2009049996A1] The invention relates to an internal combustion engine having at least one cylinder comprising a torsion-proof camshaft (6) for actuating at least one gas exchange valve (1, 2) via a pushrod (4a, 4b) and a valve lever (3a, 3b), wherein a gas exchange cam (8a, 8b) of the camshaft (6) acts upon the pushrod (4a, 4b) via an adjustable transmission lever (5a, 5b). In order to adjust the timing of the gas exchange valves (1, 2) and of the fuel injection pump (11) in a manner that is as simple as possible, the invention provides that the camshaft (6) drives a mechanical fuel injection pump via an injection cam (10), and that the timing of the fuel injection pump (11) can be changed by means of a phase shifter (12) acting upon the camshaft (6).

IPC 8 full level

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