

Title (en)

METHOD FOR IDENTIFYING THE CYLINDER PHASE OF AN INTERNAL COMBUSTION MULTICYLINDER FOUR STROKE ENGINE

Title (de)

VERFAHREN ZUR ERKENNUN DER PHASE DER ZYLINDER EINER MEHRZYLINDER-VIERTAKTBRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE RECONNAISSANCE DE LA PHASE DES CYLINDRES D'UN MOTEUR MULTICYLINDRES A COMBUSTION INTERNE A CYCLE A QUATRE TEMPS

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Application

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Abstract (en)

[origin: WO9636803A1] In an engine (M) with an ignition (1, 2, 3, 4) and/or injection system wherein each cylinder is individually controlled, and with a sensor (7) co-operating with a rotary target (8) having an indexing element (10) indicating a reference cylinder upper dead centre position, a method comprises the steps of generating, on the reference cylinder, a disturbance other than the interruption of the injection, and of a type capable of causing a change in the engine torque, detecting the engine torque change by a change in a signal representative of the gas torque, caused by the generation of the disturbance, establishing a relationship between the time of generation and the detection of its result on the engine torque so as to derive the reference cylinder phase at the time of generation of the disturbance, and thereafter the phase of the other engine cylinders. The invention is particularly useful for four stroke engines with sequential ignition and/or injection.

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