

Title (en)

Method for identifying the cylinder phase of a multicylinder four stroke engine

Title (de)

Verfahren zur Erkennung der Phase der Zylinder einer Mehrzylinder-Viertaktbrennkraftmaschine.

Title (fr)

Procédé de reconnaissance de la phase des cylindres d'un moteur multicylindres à combustion interne à cycle à quatre temps

Publication

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Application

EP 99124420 A 19960513

Priority

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- FR 9505711 A 19950515

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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CPC (source: EP US)

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Citation (search report)

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