

Title (en)

ARRANGEMENT AND METHOD FOR DRIVING AN ENGINE DURING FAILURE OF CRANKSHAFT ANGLE SENSOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN EINES VERBRENNUNGSMOTORS BEI EINER STÖRUNG EINES KURBELWELLESENSORS

Title (fr)

DISPOSITIF ET METHODE DE CONTROLE D'UN MOTEUR EN CAS DE DEFAILLANCE DU CAPTEUR DE POSITION DE VILEBREQUIN

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Application

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Abstract (en)

[origin: WO2011113690A1] The invention relates to a method for operating an internal combustion engine in the event of a fault of a crankshaft sensor, wherein the internal combustion engine (1) has at least two camshafts (8, 9, 10, 11) and a rotational speed and/or a position of the internal combustion engine (1) is derived from a signal picked off from the camshaft (8, 9, 10, 11). To improve the exhaust-gas behaviour of the internal combustion engine even during a crankshaft emergency running phase, only a first camshaft (11) is used to determine the rotational speed and/or the position of the internal combustion engine (1), whereas the second camshaft (8, 9, 10) is adjusted in terms of its rotational angle in order to realize a variable valve drive at the inlet or outlet valves (6, 7), which are driven by the second camshaft (8, 9, 10), of the internal combustion engine (1).

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