

Title (en)

Method of control of internal combustion engine in emergency mode.

Title (de)

Verfahren zur Notlaufsteuerung einer Brennkraftmaschine.

Title (fr)

Procédé de commande de moteur à combustion interne en mode d'urgence.

Publication

EP 0683309 A1 19951122 (DE)

Application

EP 94107646 A 19940517

Priority

EP 94107646 A 19940517

Abstract (en)

The emergency running control is brought into operation upon failure of the crankshaft sensor, for simulating the crankshaft sensor signals, using stored values for the total number of segments of the crankshaft sensor source disc and the corresponding crankshaft positions for each of the segment flanks, held in a read-only memory. The number of clock pulses for each segment at the camshaft sensor are obtained by counting a pulse signal with a given frequency, the number of pulses for each actual segment interpolated from the number of counted pulses for the preceding segment, with calculation of the number of pulses for each segment unit, used to provide a simulated crankshaft reference signal. <IMAGE>

Abstract (de)

Aus den gespeicherten Größen Gesamtzahl Z, Winkellängen LC, LD der auf der Kurbelwellen-Geberscheibe angeordneten Segmente (Zähne, Lücken), aus der Durchlaufzeit der Segmente der Nockenwellengeberscheibe und aus den den Flanken dieser Segmente entsprechenden, gespeicherten Kurbelwellen-Positionen werden die Signale (Impulse oder Zahnsignale und Referenzsignale) des Kurbelwellengebers bei dessen Ausfall nachgebildet. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP KR US)

F02D 41/009 (2013.01 - EP KR US); **F02D 41/222** (2013.01 - EP KR US); **F02P 15/008** (2013.01 - EP KR US)

Citation (search report)

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- [A] EP 0497237 A2 19920805 - WEBER SRL [IT]
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- [A] WO 9307497 A1 19930415 - BOSCH GMBH ROBERT [DE], et al

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