

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 B1 19980304 (DE)**

Application

**EP 94107646 A 19940517**

Priority

EP 94107646 A 19940517

Abstract (en)

[origin: EP0683309A1] 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>

IPC 1-7

**F02D 41/22**; F02D 41/34; F02P 15/00

IPC 8 full level

**F02D 45/00** (2006.01); **F02D 41/22** (2006.01); **F02D 41/34** (2006.01); **F02P 15/00** (2006.01)

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)

Cited by

DE102007004068B4; EP1735730A4; DE102006002923B4; FR2835568A1; DE10204196B4; DE10103560B4; FR2991720A1; GB2312017A; US5860406A; US9702786B2; WO2013185890A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0683309 A1 19951122**; **EP 0683309 B1 19980304**; DE 59405391 D1 19980409; JP 3872828 B2 20070124; JP H07310582 A 19951128; KR 100348330 B1 20021211; KR 950033024 A 19951222; US 5671145 A 19970923

DOCDB simple family (application)

**EP 94107646 A 19940517**; DE 59405391 T 19940517; JP 14138695 A 19950517; KR 19950012188 A 19950517; US 44279495 A 19950517