

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 KURBELWELLENSENSORS

Title (fr)

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

Publication

EP 2547876 A1 20130123 (DE)

Application

EP 11707635 A 20110301

Priority

- DE 102010003051 A 20100319
- EP 2011053026 W 20110301

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).

IPC 8 full level

F01L 1/34 (2006.01); **F02D 41/22** (2006.01)

CPC (source: EP KR US)

F01L 1/04 (2013.01 - KR); **F01L 1/34** (2013.01 - EP KR US); **F01L 1/344** (2013.01 - US); **F01L 9/20** (2021.01 - KR); **F01L 13/00** (2013.01 - KR); **F02D 13/00** (2013.01 - KR); **F02D 41/22** (2013.01 - KR); **F02D 45/00** (2013.01 - KR); **F01L 2001/0537** (2013.01 - EP US); **F01L 2001/34496** (2013.01 - EP US); **F01L 2800/11** (2013.01 - EP US); **F01L 2800/12** (2013.01 - EP US); **F01L 2820/041** (2013.01 - EP US); **F01L 2820/042** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010003051 A1 20110922; CN 102791964 A 20121121; CN 102791964 B 20141029; EP 2547876 A1 20130123; EP 2547876 B1 20140507; KR 101680929 B1 20161129; KR 20130008025 A 20130121; US 2013092114 A1 20130418; WO 2011113690 A1 20110922

DOCDB simple family (application)

DE 102010003051 A 20100319; CN 201180014495 A 20110301; EP 11707635 A 20110301; EP 2011053026 W 20110301; KR 20127024341 A 20110301; US 2011113635832 A 20110301