

Title (en)

Method to determine the phase of a camshaft in an internal combustion engine

Title (de)

Verfahren zum Bestimmen der Phasenlage einer Nockenwelle einer Brennkraftmaschine

Title (fr)

Méthode pour déterminer la phase d'un arbre à cames dans un moteur à combustion interne

Publication

EP 1630363 B1 20080409 (DE)

Application

EP 05016634 A 20050730

Priority

DE 102004041712 A 20040828

Abstract (en)

[origin: EP1630363A1] The method is for the determining of the rotational angular position of the camshaft (11) of a reciprocating piston engine in relation to the crankshaft (12). An assessed value is extrapolated for the rotational angle from at least two adjusting shaft rotational angle measurements, the time difference between the adjusting shaft measurement time points, and the interval between the last measurement time point and reference time point, and from this assessed value, the crankshaft rotational angle measured value, and the transmission characteristic, the value of the rotational angular position is determined magnetically.

IPC 8 full level

F01L 1/34 (2006.01); **F01L 1/344** (2006.01); **F02D 13/02** (2006.01)

CPC (source: EP KR US)

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Cited by

DE102010021953B4; FR2967770A1; CN105492872A; CN105492869A; EP4375621A1; US11821343B2; US9915551B2; US8813703B2; US10234262B2; DE102015111607B4; US10365125B2; WO2010020509A1; WO2021004574A1; WO2012065686A1; WO2015004472A3; WO2007118758A1; US7912624B2; DE102013203872B4; WO2014206904A1; WO2015010669A1

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