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 A1 20060301 (DE)

Application
    EP 05016634 A 20050730

Priority
    DE 102004041712 A 20040828

Abstract (en)
    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)
    F01L 1/34 (2013.01 - EP US); **F01L 1/344** (2013.01 - EP US); **F02D 45/00** (2013.01 - KR); Y10T 29/49105 (2015.01 - EP US)

Citation (search report)
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    WO2021004574A1; US7912624B2; DE102013203872B4; WO2014206904A1; WO2015010669A1

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    AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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    JP 2006064704 A 20060309; KR 101256661 B1 20130419; KR 20060050551 A 20060519; US 2006042074 A1 20060302;
    US 7254991 B2 20070814

DOCDB simple family (application)
    EP 05016634 A 20050730; AT 05016634 T 20050730; DE 502005003618 T 20050730; ES 05016634 T 20050730; JP 2005248401 A 20050829;
    KR 20050077051 A 20050823; US 21300305 A 20050826