

Title (en)

METHOD AND ARRANGEMENT FOR DETERMINING CRANK ANGLE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND ANORDNUNG ZUR BESTIMMUNG DES KURBELWINKELS EINES VERBRENNUNGSMOTORS

Title (fr)

PROCÉDÉ ET AGENCEMENT PERMETTANT DE DÉTERMINER LA POSITION DU VILEBREQUIN D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 2614248 B1 20141217 (EN)**

Application

**EP 11770833 A 20110722**

Priority

- FI 20105933 A 20100908
- FI 2011050670 W 20110722

Abstract (en)

[origin: WO2012032216A1] A method for determining the crank angle of an internal combustion engine (1) when the engine (1) is at rest, the method comprising the steps of introducing a predetermined amount of pressure medium into at least two of the cylinders (4) of the engine (1), measuring pressure in the cylinders (4) into which the pressure medium has been introduced, and calculating the crank angle of the engine (1) on the basis of the pressure measurements. The invention also concerns an arrangement for determining the crank angle of an internal combustion engine (1).

IPC 8 full level

**F02D 35/02** (2006.01); **F02N 9/04** (2006.01)

CPC (source: EP KR)

**F02D 35/00** (2013.01 - KR); **F02D 35/023** (2013.01 - EP); **F02N 9/04** (2013.01 - EP KR); **F02N 2200/021** (2013.01 - EP)

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)

**WO 2012032216 A1 20120315**; CN 103109074 A 20130515; CN 103109074 B 20150401; EP 2614248 A1 20130717; EP 2614248 B1 20141217; FI 20105933 A0 20100908; FI 20105933 A 20120309; KR 101668149 B1 20161020; KR 20130108577 A 20131004

DOCDB simple family (application)

**FI 2011050670 W 20110722**; CN 201180043581 A 20110722; EP 11770833 A 20110722; FI 20105933 A 20100908; KR 20137008860 A 20110722