

Title (en)

METHOD AND DEVICE FOR DETERMINING A PHASE POSITION BETWEEN A CRANKSHAFT AND A CAMSHAFT OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERMITTELN EINER PHASENLAGE ZWISCHEN EINER KURBELWELLE UND EINER NOCKENWELLE EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER UNE POSITION DE PHASE ENTRE UN VILEBREQUIN ET UN ARBRE A CAMES D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1664492 A1 20060607 (DE)**

Application

**EP 04766698 A 20040903**

Priority

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Abstract (en)

[origin: WO2005031124A1] The invention relates to a method and device for determining a phase position between a crankshaft (21) and a camshaft (36) of an internal combustion engine. An internal combustion engine is provided with a crankshaft (21), a camshaft (36), at least one cylinder and an intake tract (11, 12, 13) to which gas inlet valves (30) are assigned that control the gas supply from the intake tract to the one or more cylinders and that are driven via the camshaft. The intake tract is associated with a pressure sensor (16) that detects an intake tube pressure (MAP) in a manifold (12) of the intake tract. The phase position (PH\_MAP) is determined depending on the intake tube pressure detected. The inventive method and device allows to determine the phase position (PH\_MAP) in a simple manner and without any additional sensor system.

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CPC (source: EP US)

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