

Title (en)

DETECTION OF ANALOGUE VEHICLE SIGNALS SYNCHRONOUS WITH THE CRANKSHAFT

Title (de)

KURBELWELLENSYNCHRONE ERFASSUNG ANALOGER FAHRZEUGSIGNALS

Title (fr)

DÉTECTION DE SIGNAUX ANALOGUES DU VÉHICULE, SYNCHRONISÉS AVEC LA POSITION ANGULAIRE DU VILEBREQUIN

Publication

EP 1756412 A1 20070228 (DE)

Application

EP 05754119 A 20050615

Priority

- EP 2005052771 W 20050615
- DE 102004029065 A 20040616

Abstract (en)

[origin: WO2005124134A1] Synchronization of the angle position of the crankshaft of a motor vehicle with the internal clock of a motor control device (110) is often imprecise and complicated and is often fraught with difficulties, particularly with regard to the detection and processing of external sensor signals. The invention relates to a motor control device (110) wherein the angle position of the crankshaft is initially detected and converted into an electronic trigger signal (136) in a trigger converter (114). The electronic trigger signal (136) controls detection and analog-digital conversion of an analog signal, particularly an analog sensor signal. Control occurs in such a way that data can only be detected when a specific trigger signal is present or that data can only be continuously detected and processed when a specific trigger signal is present.

IPC 8 full level

F02D 41/34 (2006.01); **F02D 41/26** (2006.01)

CPC (source: EP US)

F02D 41/009 (2013.01 - EP US); **F02D 41/263** (2013.01 - EP US)

Citation (search report)

See references of WO 2005124134A1

Designated contracting state (EPC)

AT DE FR GB IT

DOCDB simple family (publication)

WO 2005124134 A1 20051229; AT E477411 T1 20100815; CN 1969117 A 20070523; CN 1969117 B 20100526; DE 102004029065 A1 20060126; DE 502005010077 D1 20100923; EP 1756412 A1 20070228; EP 1756412 B1 20100811; JP 2008502839 A 20080131; US 2008027619 A1 20080131; US 7589656 B2 20090915

DOCDB simple family (application)

EP 2005052771 W 20050615; AT 05754119 T 20050615; CN 200580020025 A 20050615; DE 102004029065 A 20040616; DE 502005010077 T 20050615; EP 05754119 A 20050615; JP 2007515956 A 20050615; US 62993305 A 20050615