

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

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Application

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Priority

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Abstract (en)

[origin: US7589656B2] Synchronization of the angle position of the crankshaft of a motor vehicle with the internal clock of a engine control device 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 engine control device wherein the angle position of the crankshaft is initially detected and converted into an electronic trigger signal in a trigger converter. The electronic trigger signal controls the detection and the analog-to-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

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