Title (en)

DEVICE FOR DETECTING A PERIODICALLY CHANGING VALUE IN SYNCHRONISM WITH THE CRANKSHAFT.

Title (de)

EINRICHTUNG ZUR KURBELWELLENSYNCHRONEN ERFASSUNG EINER SICH PERIODISCH ÄNDERNDEN GRÖSSE.

Title (fr)

DISPOSITIF PERMETTANT DE DETECTER, EN SYNCHRONISME AVEC LE VILEBREQUIN, UNE VALEUR VARIANT PERIODIQUEMENT.

Publication

EP 0678159 A1 19951025 (DE)

Application

EP 94918296 A 19940622

Priority

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- DE 4322311 A 19930705

Abstract (en)

[origin: WO9502122A1] The description relates to a device for detecting a periodically changing value in an internal combustion engine, e.g., the load, in synchronism with the crankshaft, which is measured by a sensor, the output signal of which, suitably processed or filtered, is scanned in a selectable time-slot pattern. The start of scanning is re-synchronised for each segment, and for synchronisation purposes is used the signal of a crankshaft sensor which scans a plate secured to the crankshaft and provides a signal flank per segment. The combination for scanning in synchronism with the crankshaft and, in relation to the segment, in a time constant, makes it possible to use different load detection sensors with improved accuracy over that of prior art processes. The average load for each segment can be determined from the scanned measurements and the quantity of air taken in per power stroke can be found.

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IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 9502122A1

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DOCDB simple family (application)

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