Title (en)

ANGULAR POSITION SENSOR FOR AN INTERNAL COMBUSTION ENGINE FITTED WITH AN ELECTRONIC IGNITION SYSTEM

Publication

EP 0010033 B1 19820818 (FR)

Application

EP 79400674 A 19790927

Priority

FR 7827923 A 19780929

Abstract (en)

[origin: ES484554A1] An internal combustion engine with M cylinders having an electronic ignition system, a pistons position sensor having a set of M+1 identical conductive members, which are synchronous with rotation of the engine's crankshaft. M of the conductive members are regularly spaced. Two fixed detectors adjacent the rotating members sense the members and supply identical electrical signals. The detectors are spaced to provide the signals out of phase by an amount that is substantially higher than the maximum ignition advance of the engine. Electronic circuits process the signals from the two detectors, include a first circuit that supplies a synchronization signal for the cycle igniting the engine, and a second circuit, which supplies two representative synchronization signals of the static advance and of the maximum dynamic advance during ignition.

IPC 1-7

F02P 7/06; F02P 5/08; H01T 15/02

IPC 8 full level

F02P 5/15 (2006.01); **F02P 7/06** (2006.01); **F02P 7/067** (2006.01)

CPC (source: EP US)

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EP 0010033 A1 19800416; **EP 0010033 B1 19820818**; AT E1470 T1 19820915; CA 1140205 A 19830125; DD 146325 A5 19810204; DE 2963561 D1 19821014; ES 484554 A1 19800616; FR 2437506 A1 19800425; FR 2437506 B1 19830513; JP S5551956 A 19800416; PL 218626 A1 19800602; PT 70240 A 19791001; RO 81741 A 19830601; RO 81741 B 19830530; US 4352345 A 19821005; YU 234579 A 19830121

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