

Title (en)

CONTROL DEVICE FOR THE REGULATION OF THE OPTIMAL CONDUCTING TIME OF AN IGNITION COIL FOR AN INTERNAL-COMBUSTION ENGINE

Publication

EP 0051529 B1 19850828 (FR)

Application

EP 81401701 A 19811027

Priority

FR 8023509 A 19801104

Abstract (en)

[origin: ES8300181A1] An ignition coil control device output stage of a calculator (2) has a transfer function of the form: $tc=N.TSD+\epsilon$ where ϵ is a small and known quantity tc is the conduction time of the coil, N is a number of angular fractions or periods of an interpolation signal and TSD is the period corresponding to one tooth on the starter gear. The device comprises measurement means (1, 32, 36) for measuring the time strictly necessary to obtain the required energy means (6, 9, 13, 17) for generating signals at each fraction of the angular marking signal in order to obtain a time measurement of a counting window and means (21, 25, 29) for counting and memorizing during this window an interpolation signal of the angular resolution n times higher.

IPC 1-7

F02P 5/145

IPC 8 full level

F02P 3/045 (2006.01); **F02P 5/15** (2006.01)

CPC (source: EP US)

F02P 3/0456 (2013.01 - EP US)

Citation (examination)

- US 4018202 A 19770419 - GARTNER TODD HENRY
- US 3908616 A 19750930 - SASAYAMA TAKAO
- WO 8002862 A1 19801224 - MOTOROLA INC [US]

Cited by

EP0222630A1; FR2589654A1; US4740952A

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BE DE GB IT NL SE

DOCDB simple family (publication)

EP 0051529 A1 19820512; EP 0051529 B1 19850828; DE 3172057 D1 19851003; ES 506800 A0 19821001; ES 8300181 A1 19821001; FR 2493412 A1 19820507; FR 2493412 B1 19840914; JP H0353467 B2 19910815; JP S57131863 A 19820814; MX 153785 A 19870109; PT 73923 A 19811201; PT 73923 B 19830218; US 4469081 A 19840904

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