

Title (en)

Internal combustion engine stroke identification system.

Title (de)

Einrichtung zur Detektion von Markierungselementen in einer inneren Brennkraftmaschine.

Title (fr)

Système de repérage de position angulaire dans un moteur à combustion interne.

Publication

EP 0497237 A2 19920805 (EN)

Application

EP 92101247 A 19920127

Priority

IT TO910050 A 19910129

Abstract (en)

A system comprising: a first sensor (107) for detecting the teeth (134) and a gap in the same on a pulley (108) fitted to the drive shaft (111); a second sensor (112) for detecting interruptions (135 and 136), a first of which differs from the others, on a disk (109) rotating at half the speed of, but in time with, the drive shaft (111); first means (156), which, upon startup of the engine, compute and memorise the actual relative angular position of the pulley (108) and the disk (109); second means (152) for computing the absolute angular position of the drive shaft (111), for enabling the electronic ignition and injection systems; and third means (153) which, in the event of failure of the first sensor (107), and on the basis of the second sensor (112) and the signal processed by the first means (156), compute a presumed angular position of the drive shaft (111) for enabling the electronic ignition and injection systems. <IMAGE>

IPC 1-7

F02P 3/045; **F02P 7/067**; **F02P 11/06**; **F02P 15/00**; **F02P 17/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

FR2770874A1; EP1735730A4; EP0683309A1; US5671145A; US6655187B1; WO9425749A1; WO0077374A1

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