

Title (en)
DEVICE FOR CONTROLLING IGNITION TIMING.

Title (de)
VORRICHTUNG ZUM REGELN DER ZÜNDZEITPUNKTVERSTELLUNG.

Title (fr)
DISPOSITIF DE COMMANDE DE REGLAGE DE L'ALLUMAGE.

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EP 0033748 A1 19810819 (EN)

Application
EP 80901486 A 19810224

Priority
JP 10099479 A 19790807

Abstract (en)
Ignition timing control device for an i.c. engine comprises a disc (1) mounted on the crankshaft (4). A peripheral portion of a sector (100) of this disc (1) is made of material that is electrically different from the rest of the disc (1). Passage of this sector (100) during rotation is detected by proximity switches (2,3) which, in response, supply ignition control signals to ignition coils (7,8), either direct or via an ignition control unit that receives another control input, e.g., signals indicating manifold pressure from a negative pressure sensor (5). The number of proximity switches (1,2) is half the number of engine cylinders.. Crankshaft position is more closely related to engine running state, the device giving preciser control than, e.g., control based on position of a distributor shaft.

Abstract (fr)
Systeme de commande de l'angle d'attaque du type a distribution de basse tension dans lequel il n'y a pas de distribution de haute tension au moyen d'un distributeur. Ce systeme produit un signal de reference d'allumage ayant une duree angulaire predeterminee non pas sur la base de la position de rotation de l'axe rotatif du distributeur mais predeterminee d'apres la position d'un vilebrequin par l'intermediaire d'une pluralite de commutateurs de proximite, eliminant ainsi une erreur entre la position du vilebrequin et la position de rotation du moteur. Ainsi, ce systeme peut commander de maniere precise et stable le reglage de l'allumage du moteur pour obtenir une valeur de rendement eleve.

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