Title (en)
PROCESS FOR CALCULATING THE TORQUE OF AN ELECTRONIC INJECTION INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN ZUR BERECHNUNG DES DREHMOMENTS EINES VERBRENNUNGSMOTORS MIT ELEKTRONISCH GEREGELTER EINSPRITZUNG

Title (fr)
PROCEDE DE CALCUL DU COUPLE D'UN MOTEUR THERMIQUE A INJECTION COMMANDEE ELECTRONIQUEMENT

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Application
EP 97951317 A 19971212

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Abstract (en)
[origin: FR2757945A1] The invention relates to a process for calculating the torque of an internal combustion engine with electronic injection and comprising a cogged target with an indexation reference, rotating before a fixed sensor. The process consists in correcting the defects of the target by distinguishing the combustion intervals (Ti) of the target from the reference, and assigning to each interval a term (DOLLAR g(b)i), determined in the absence of combustion from the measurement of the engine torque (Ci), which is proportional to the pressure (Pcoll) in the commutator according to the following relation: Ci = K.Pcoll = alpha (SIGMA N + DOLLAR g(b)i)N<2> where N represents the engine power, K is a proportionality factor, and alpha is a constant term. The calculation of the engine torque (Cgi), which takes place at each combustion, is based on the term (DOLLAR g(b)i), obtained according to the equation: Cgi = alpha (SIGMA N + DOLLAR g(b)i)N<2>

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