

Title (en)

CONTROL SYSTEM FOR PROTECTING AN INTERNAL COMBUSTION ENGINE FROM OVERLOADING

Title (de)

REGELSYSTEM ZUM SCHUTZ EINER BRENNKRAFTMASCHINE VOR ÜBERLAST

Title (fr)

SYSTEME DE REGULATION DESTINE A PROTEGER UN MOTEUR A COMBUSTION INTERNE CONTRE LES SURCHARGES

Publication

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Application

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Abstract (en)

[origin: WO0134959A1] The invention relates to a control system for protecting an internal combustion engine (1) from overloading. The output of the internal combustion engine is adjusted with an output-determining signal (ve) according to an input signal which characterises the desired output. According to the invention, a differential torque (MK(Diff) is calculated from the current motor torque (MK) and a maximum permissible motor torque (MK(Max)). This differential torque (MK(Diff) in turn determines an authoritative second signal (ve2) ($ve2=f(MK(Diff))$). A first signal (ve 1) that is determined from an input signal characterising the desired output and the second signal (ve2) are directed to a selecting means (16) which selects the first (ve1) or second signal (ve2) as the signal that determines the output (ve).

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