

Title (en)
SYSTEM FOR REGULATING THE RICHNESS OF AN INJECTION THERMAL ENGINE WITH ADAPTIVE RICHNESS REFERENCE INPUT

Title (de)
VERFAHREN ZUM REGELN DES KRAFTSTOFF/LUFT -VERHALTNISSES EINER BRENNKRAFTMASCHINE MIT ADAPTIVERKRAFTSTOFF/LUFT -VERHALTNIS-SOLLWERT

Title (fr)
SYSTEME DE REGULATION DE LA RICHESSE D'UN MOTEUR THERMIQUE A INJECTION AVEC CONSIGNE DE RICHESSE ADAPTATIVE

Publication
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Application
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Abstract (en)
[origin: FR2755184A1] The invention concerns a system for regulating the richness of the air-fuel mixture in a controlled injection thermal engine, consisting of a fast regulating loop comprising a Smith predictor and by a slow regulating loop adapting the reference input richness to the instability phenomena of engine torque estimated at each outer dead center on the basis of the respective torque values at previous outer dead centers computed by a software torquemeter. It works out an estimator of instability phenomena invariant to transient phases and to cylinders, and comprises an expert system for determining the heuristic reference input richness.

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