

Title (en)  
CONTROL SYSTEM AND CONTROL METHOD FOR AN INTERNAL COMBUSTION ENGINE, AND AN INTERNAL COMBUSTION ENGINE

Title (de)  
STEUERUNGSSYSTEM UND STEUERUNGSVERFAHREN FÜR EINEN VERBRENNUNGSMOTOR UND VERBRENNUNGSMOTOR

Title (fr)  
SYSTÈME DE COMMANDE ET PROCÉDÉ DE COMMANDE DESTINÉS À UN MOTEUR À COMBUSTION INTERNE, ET MOTEUR À COMBUSTION INTERNE

Publication  
**EP 3090167 B1 20190206 (EN)**

Application  
**EP 14821238 A 20141217**

Priority  
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• FI 2014051021 W 20141217

Abstract (en)  
[origin: WO2015101706A1] A control system for an internal combustion engine comprises a primary controller (301), which compares a feedback value to a setpoint value and produces a primary output. The feedback value is an indicator of a measured dynamic quantity in a process (101) in said internal combustion engine. A secondary controller (302) receives an input value and produces a secondary output according to a transfer function. The input value is an indicator of a measurable disturbance affecting the process (101). A combiner (303) receives said primary and secondary outputs and delivers their combination as a control signal to an actuator (104). The secondary controller (302) receives said primary output or a derivative thereof, and adapts said transfer function based at least partly on an aim of maintaining said primary output at a fixed value.

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