

Title (en)
Weighted throttle adaptation

Title (de)
Anpassung einer gewichteten Drossel

Title (fr)
Adaptation de manette de gaz pondérée

Publication
EP 2003316 B1 20110622 (EN)

Application
EP 07110342 A 20070615

Priority
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Abstract (en)
[origin: EP2003316A1] The present invention relates to a system and method for controlling an air/fuel relationship of an internal combustion engine having a throttle and an intake manifold. It comprises means for calculating a true throttle area based on sampled measurements of operational data and models of variables, where each data sample is weighted by a weight factor determining its importance. Means are provided for estimating parameters of a correction equation through comparing the true throttle area to a modelled throttle area and minimizing the estimation error through optimization. Also provided are means for using the correction equation for controlling the air/fuel relationship of the internal combustion engine.

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