Title (en)

METHOD AND DEVICE FOR ADAPTING THE MIXTURE CONTROL IN AN INTERNAL-COMBUSTION ENGINE

Publication

EP 0221386 B1 19910918 (DE)

Application

EP 86113946 A 19861008

Priority

DE 3539395 A 19851107

Abstract (en)

[origin: EP0221386A2] In this method, in which a performance graph spread out by operating variables (angle DK of throttle-valve position, rotational speed N) of the internal combustion engine gives an anticipatory- control variable which is decisive for the fuel quantity to be fed or injected and is influenced by at least one adaptively changeable correction variable (structural adaptation, global adaptation), it is proposed to limit the correction of the structural factor adaptation to a predetermined value per FSA learning cycle, and at the same time to establish a correction adaptation of the global factor (FGA) at a progressive grading many times finer. Furthermore, the adaptation (structural factor FSA and/or global factor FGA) is dynamically adjusted to the actual characteristic operating quantity (lambda) by the latter running in the grid of the increments of the regulating variable (Xr) of the lambda regulator (11). <IMAGE>

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Cited by

US5666934A; US5758630A; US5908463A; US6041279A; US5632261A; US5806012A; US5590638A; US5657736A; US5755094A; US5758308A; US5657735A; US5758490A; US5606959A; US5787868A; US7340339B1; EP1517023A1; US5065726A; WO0227171A1; WO8911030A1; WO8909334A1; EP0296464B1

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