

Title (en)

Process of cancellation of the variations of richness of the gas mixture exhausted out of the cylinders of an internal combustion engine

Title (de)

Prozess zur Annullierung der Variationen des Reichtums der Gasmischung, die aus den Zylindern eines Verbrennungsmotors einer Maschine heraus fließt

Title (fr)

Procédé d'annulation des variations de richesse du mélange gazeux issu des cylindres d'un moteur à combustion interne

Publication

EP 0953754 B1 20031119 (FR)

Application

EP 99400985 A 19990422

Priority

FR 9805507 A 19980430

Abstract (en)

[origin: EP0953754A1] The four cylinders (101-4) send exhaust to a collector (12) which introduces a delay (14) before arrival at a proportional probe (16) which sends a richness signal $y(t)$ to a synchronization unit (20) where a new signal $y(k)$, correcting the delay in the collector is produced. A regulating unit (22) uses the corrected signal $y(k)$ and a disturbance model representing anticipated variations between cylinders to generate an injector signal annulling the variations

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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