

Title (en)

Method of operating internal combustion engine by introducing detergent into combustion chamber

Title (de)

Verfahren zum Betrieb einer Brennkraftmaschine durch Einführung von Detergentien in der Brennkammer

Title (fr)

Procédé de fonctionnement de moteur à combustion interne par l'introduction de détergent dans une chambre de combustion

Publication

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Application

EP 10178930 A 20030328

Priority

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- US 44101203 P 20030117

Abstract (en)

In a method operating an internal combustion engine, a nitrogen-containing detergent composition is introduced into a combustion chamber of the engine wherein the detergent composition can improve the performance of both a fuel composition and a lubricating oil of the engine. The detergent composition contains (A) a reaction product of a hydrocarbyl-substituted acylating agent and an amine and, optionally, one or more components taken from (B) a hydrocarbyl-substituted amine, (C) a Mannich reaction product and (D) a high molecular weight polyetheramine.

IPC 8 full level

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