

Title (en)

METHOD FOR PREVENTING EXHAUST VALVE SEAT RECESSION

Title (de)

VERFAHREN ZUR VERHINDERUNG DES VERSCHLEISSES EINES ABGASVENTILSITZES

Title (fr)

PROCÉDÉ POUR EMPÊCHER LE RETRAIT DE SIÈGE DE SOUPAPE D'ÉCHAPPEMENT

Publication

**EP 2398878 A4 20120718 (EN)**

Application

**EP 10744247 A 20100217**

Priority

- US 2010024460 W 20100217
- US 37867809 A 20090218

Abstract (en)

[origin: US2010206260A1] A method for preventing or inhibiting exhaust valve seat recession in a natural gas fueled internal combustion engine is disclosed. The method involves lubricating the engine with a lubricating oil composition comprising (a) a major amount of an oil of lubricating viscosity, and (b) a minor amount of a natural gas engine oil additive package, wherein the lubricating oil composition is substantially free of each of any zinc compounds and alkaline earth metal salts of a condensation product of an alkylene polyamine, an aldehyde and a substituted phenol.

IPC 8 full level

**F01N 3/00** (2006.01); **C10M 163/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)

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Citation (search report)

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Citation (examination)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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