

Title (en)

Fuel composition and additive concentrates, and their use in inhibiting engine coking.

Title (de)

Brennstoffzusammensetzung und Zusatzkonzentrate und ihren Verwendung zur Motorschlamminhibierung.

Title (fr)

Composition de combustible et concentrés d'additifs et leurs utilisations pour inhiber la formation de dépôts dans un moteur.

Publication

EP 0247706 A2 19871202 (EN)

Application

EP 87201460 A 19841228

Priority

- US 56707183 A 19831230
- US 56708983 A 19831230
- US 56709083 A 19831230

Abstract (en)

Coking in and around the injector nozzles of indirect injection compression ignition engines is reduced by means of distillate fuel into which has been blended suitable concentrations of: (a) organic nitrate ignition accelerator, (b) hydrocarbyl amine having from 3 to 60 carbons and from 1 to 10 nitrogens, and (c) N,N'-disalicylidene-1,2-diaminopropane. Additive concentrates can be formulated using such additive combinations.

IPC 1-7

C10L 1/22

IPC 8 full level

C10L 1/22 (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

C10L 1/22 (2013.01); **C10L 10/02** (2013.01); **C10L 10/04** (2013.01); **C10L 1/222** (2013.01); **C10L 1/2222** (2013.01); **C10L 1/2283** (2013.01); **C10L 1/231** (2013.01); **C10L 1/2383** (2013.01); **F02B 3/06** (2013.01)

Cited by

EP1305380A4; AU2010200065B2; CN109153930A; US7491249B2; WO9116408A1; WO2017203003A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0247706 A2 19871202; **EP 0247706 A3 19880113**; **EP 0247706 B1 19890614**; CA 1270642 A 19900626; CA 1284583 C 19910604; CA 1284883 C 19910618; EP 0147240 A2 19850703; EP 0147240 A3 19860402; EP 0147240 B1 19890405; EP 0251419 A1 19880107; EP 0251419 B1 19890531

DOCDB simple family (application)

EP 87201460 A 19841228; CA 470058 A 19841213; CA 615608 A 19900119; CA 615609 A 19900119; EP 84309143 A 19841228; EP 87201461 A 19841228