

Title (en)
Hydrocarbonaceous fuel compositions and additives therefor.

Title (de)
Kohlenwasserstoffzusammensetzungen und Zusätze dafür.

Title (fr)
Compositions combustibles hydrocarburées et additifs pour celles-ci.

Publication
EP 0476196 A1 19920325 (EN)

Application
EP 90310322 A 19900920

Priority
EP 90310322 A 19900920

Abstract (en)
Hydrocarbonaceous fuels and additive compositions therefor which comprise: a) one or more fuel-soluble manganese carbonyl compounds; b) one or more fuel-soluble alkali or alkaline earth metal-containing neutral or basic detergent salts; and c) one or more fuel-soluble ashless dispersants. These compositions preferably contain, in addition to components a), b) and c) above, one or more of the following: d) at least one fuel-soluble demulsifying agent; e) at least one aliphatic or cycloaliphatic amine; and f) at least one metal deactivator. The compositions possess improved combustion characteristics (e.g., formation of less soot, smoke, carbonaceous products and/or noxious emissions), and form on combustion carbonaceous products of reduced acidity. The deposition of sludge on critical engine or burner parts or surfaces is reduced and the fuels have improved stability and demulsibility characteristics. And the fuel compositions can result in decreased fuel consumption in diesel engines.

IPC 1-7
C10L 1/14; C10L 10/02

IPC 8 full level
C10L 1/192 (2006.01); **C10L 1/14** (2006.01); **C10L 1/18** (2006.01); **C10L 1/183** (2006.01); **C10L 1/19** (2006.01); **C10L 1/198** (2006.01); **C10L 1/22** (2006.01); **C10L 1/222** (2006.01); **C10L 1/224** (2006.01); **C10L 1/234** (2006.01); **C10L 1/24** (2006.01); **C10L 1/30** (2006.01); **C10L 9/10** (2006.01); **C10L 10/00** (2006.01); **C10L 10/02** (2006.01); **C10L 10/04** (2006.01); **C10L 10/18** (2006.01); **C10L 1/16** (2006.01); **C10L 1/26** (2006.01); **C10L 1/28** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)
C10L 1/14 (2013.01); **C10L 1/143** (2013.01); **C10L 10/02** (2013.01); **C10L 10/04** (2013.01); **C10L 1/1608** (2013.01); **C10L 1/1811** (2013.01); **C10L 1/182** (2013.01); **C10L 1/1828** (2013.01); **C10L 1/183** (2013.01); **C10L 1/1857** (2013.01); **C10L 1/188** (2013.01); **C10L 1/1881** (2013.01); **C10L 1/1888** (2013.01); **C10L 1/189** (2013.01); **C10L 1/1895** (2013.01); **C10L 1/19** (2013.01); **C10L 1/1905** (2013.01); **C10L 1/191** (2013.01); **C10L 1/1963** (2013.01); **C10L 1/1973** (2013.01); **C10L 1/198** (2013.01); **C10L 1/1981** (2013.01); **C10L 1/1985** (2013.01); **C10L 1/2222** (2013.01); **C10L 1/223** (2013.01); **C10L 1/2283** (2013.01); **C10L 1/231** (2013.01); **C10L 1/232** (2013.01); **C10L 1/2364** (2013.01); **C10L 1/2366** (2013.01); **C10L 1/238** (2013.01); **C10L 1/2383** (2013.01); **C10L 1/2387** (2013.01); **C10L 1/2412** (2013.01); **C10L 1/2437** (2013.01); **C10L 1/2456** (2013.01); **C10L 1/2481** (2013.01); **C10L 1/2608** (2013.01); **C10L 1/2683** (2013.01); **C10L 1/2691** (2013.01); **C10L 1/285** (2013.01); **C10L 1/303** (2013.01); **C10L 1/305** (2013.01); **F02B 3/06** (2013.01)

Citation (search report)

- [X] WO 8701126 A1 19870226 - LUBRIZOL CORP [US]
- [Y] WO 8907126 A1 19890810 - LUBRIZOL CORP [US]
- [Y] US 4781730 A 19881101 - STOLDT STEPHEN H [US], et al
- [X] US 3883320 A 19750513 - STRUKL JOSEPH STEPHAN
- [XD] EP 0078249 A1 19830504 - LANG CHEM TECH PROD [AT]
- [Y] US 4116644 A 19780926 - JACKISCH PHILIP F, et al
- [Y] US 3994698 A 19761130 - WORREL CALVIN J
- [Y] US 3490882 A 19700120 - DUNWORTH WILLIAM P

Cited by
US5551957A; EP0681023A1; US5511517A; US6129772A; EP1484388A1; EP1484387A1; KR100713447B1; EP0807677A3; AU694809B2; AU677114B2; EP1063276A1; SG93866A1; EP0829527A1; US6361573B1; EP0569228A1; AU668151B2; EP1847583A3; EP0859040A1; CN1090230C; EP0908507A1; US5393309A; EP0557516A4; US5925151A; US6070558A; EP0634472A1; EP0587552A1; EP0874039A1; CN103797098A; EA030229B1; US6514297B1; US6790343B2; EP1496100A1; EP1344809A1; EP0894845A1; US6042626A; AU707792B2; US6056792A; GB2285057A; US5525127A; GB2285057B; WO9812282A1; WO2013007738A1; WO2007042887A1; WO9503377A1; WO9936489A1; WO0188362A1; US6488724B1; US6277158B1; US8870981B2; US7524338B2; WO9615209A1; WO03106595A3; WO0212417A1; WO0138465A1; WO9504117A1; US7402186B2; US7901471B2; US7938867B2; US8211190B2; WO2008084251A1; WO9811175A1; WO9533022A1; WO9744414A1; WO9640844A1; WO9634074A1; WO0058422A1; WO9625473A1; WO9510582A1; WO9308244A1

Designated contracting state (EPC)
BE DE ES FR GB IT

DOCDB simple family (publication)
EP 0476196 A1 19920325; EP 0476196 B1 19931118; AU 635158 B2 19930311; AU 8465091 A 19920326; CA 2051452 A1 19920321; CA 2051452 C 20021119; DE 69004692 D1 19931223; DE 69004692 T2 19940310; ES 2060058 T3 19941116; JP H04234489 A 19920824

DOCDB simple family (application)
EP 90310322 A 19900920; AU 8465091 A 19910920; CA 2051452 A 19910916; DE 69004692 T 19900920; ES 90310322 T 19900920; JP 26544291 A 19910918