

Title (en)
FUEL COMPOSITION FOR DIESEL ENGINES CONTAINING OXYGENATED COMPOUNDS

Title (de)
SAUERSTOFFENTHALTENDE PRODUKTE ALS DIESELBRENNSTOFF

Title (fr)
COMPOSITION DE CARBURANT COMPRENANT DES COMPOSES OXYGENES POUR MOTEURS DIESEL

Publication
EP 0923628 A1 19990623 (FR)

Application
EP 98929517 A 19980608

Priority
• FR 9801168 W 19980608
• FR 9707119 A 19970609

Abstract (en)
[origin: US6113661A] PCT No. PCT/FR98/01168 Sec. 371 Date May 4, 1999 Sec. 102(e) Date May 4, 1999 PCT Filed Jun. 8, 1998 PCT Pub. No. WO98/56879 PCT Pub. Date Dec. 17, 1998A fuel composition containing, as a major portion, at least one fuel base, and, as a minor portion, at least one oxygenated compound, which contains at least 0.05% by weight of at least one trialkoxyalkane of the formula (I): wherein: X is a divalent hydrocarbon-containing group C_nH_{2n}, wherein n is 1, 2, or 3, each hydrogen atom optionally being substituted by a hydrocarbon-containing residue; R¹, R'¹, and R''¹ are each independently linear or branched alkyl groups containing from 1 to 10 carbon atoms and optionally at least one oxygen atom, two of each of R¹, R'¹ and R''¹ groups optionally being connected to form a heterocyclic ring containing 5 or 6 atoms; and R₂ is a hydrogen atom or a linear C₁-C₄ alkyl radical, or R₂ and hydrocarbon-containing residue X, together by bonding, form a ring containing 5 or 6 carbon atoms.

IPC 1-7
C10L 1/02

IPC 8 full level
C10L 1/08 (2006.01); **C10L 1/02** (2006.01); **C10L 1/18** (2006.01); **C10L 1/182** (2006.01); **C10L 1/185** (2006.01); **C10L 1/198** (2006.01); **C10L 10/12** (2006.01)

CPC (source: EP US)
C10L 1/026 (2013.01 - EP US); **C10L 1/1852** (2013.01 - EP US); **C10L 1/1855** (2013.01 - EP US); **C10L 1/1985** (2013.01 - EP US)

Citation (search report)
See references of WO 9856879A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
US 6113661 A 20000905; AT E231179 T1 20030215; DE 69810746 D1 20030220; DE 69810746 T2 20031120; DK 0923628 T3 20030505; EP 0923628 A1 19990623; EP 0923628 B1 20030115; ES 2189188 T3 20030701; FR 2764301 A1 19981211; FR 2764301 B1 19990730; JP 2000516991 A 20001219; NO 990578 D0 19990208; NO 990578 L 19990406; WO 9856879 A1 19981217

DOCDB simple family (application)
US 14765899 A 19990504; AT 98929517 T 19980608; DE 69810746 T 19980608; DK 98929517 T 19980608; EP 98929517 A 19980608; ES 98929517 T 19980608; FR 9707119 A 19970609; FR 9801168 W 19980608; JP 50176399 A 19980608; NO 990578 A 19990208