

Title (en)
FUEL ADDITIVE COMPOSITIONS FOR FUELS FOR INTERNAL COMBUSTION ENGINES WITH IMPROVED VISCOSITY PROPERTIES AND GOOD IVD PERFORMANCE

Title (de)
KRAFTSTOFFADDITIVPAKETE FÜR OTTOKRAFTSTOFFE MIT VERBESSERTEN VISKOSITÄTSEIGENSCHAFTEN UND GUTER IVD PERFORMANCE

Title (fr)
COMPOSITIONS D'ADDITIFS POUR ESSENCE DE MOTEURS, PRESENTANT DES PROPRIETES DE VISCOSITE AMELIOREES ET DE BONNES PROPRIETES DETERGENTES POUR LE SYSTEME D'ADMISSION

Publication
EP 1278814 B1 20060531 (DE)

Application
EP 01943321 A 20010504

Priority
• DE 10021936 A 20000505
• EP 0105039 W 20010504

Abstract (en)
[origin: US2003140552A1] The invention relates to fuel additive compositions for internal combustion engines and to fuels that contain the corresponding additives for internal combustion engines. The inventive fuel additive compositions for internal combustion engines have an excellent performance in keeping the inlet system clean and improved viscosity properties, especially at low temperatures.

IPC 8 full level
C10L 1/14 (2006.01); **C10L 1/18** (2006.01); **C10L 1/16** (2006.01); **C10L 1/182** (2006.01); **C10L 1/185** (2006.01); **C10L 1/19** (2006.01); **C10L 1/192** (2006.01); **C10L 1/195** (2006.01); **C10L 1/198** (2006.01); **C10L 1/22** (2006.01); **C10L 1/222** (2006.01); **C10L 1/234** (2006.01); **C10L 10/00** (2006.01); **C10L 10/04** (2006.01); **C10L 10/14** (2006.01)

CPC (source: EP KR US)
C10L 1/14 (2013.01 - KR); **C10L 1/143** (2013.01 - EP US); **C10L 10/04** (2013.01 - EP US); **C10L 10/06** (2013.01 - EP US); **C10L 10/14** (2013.01 - EP US); **C10L 1/1616** (2013.01 - EP US); **C10L 1/1641** (2013.01 - EP US); **C10L 1/19** (2013.01 - EP US); **C10L 1/198** (2013.01 - EP US); **C10L 1/1985** (2013.01 - EP US); **C10L 1/2225** (2013.01 - EP US); **C10L 1/238** (2013.01 - EP US); **C10L 1/2383** (2013.01 - EP US)

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

DOCDB simple family (publication)
US 2003140552 A1 20030731; US 6840970 B2 20050111; AR 033821 A1 20040107; AT E328053 T1 20060615; AU 2001265925 B2 20060216; AU 6592501 A 20011120; BR 0110543 A 20030401; CA 2406762 A1 20021017; CA 2406762 C 20091103; CZ 20023608 A3 20030618; DE 10021936 A1 20011108; DE 50109967 D1 20060706; EE 200200624 A 20040615; EP 1278814 A2 20030129; EP 1278814 B1 20060531; HR P20020957 A2 20050228; HU P0301874 A2 20030828; IL 152357 A0 20030529; IL 152357 A 20050725; JP 2003532783 A 20031105; JP 5192627 B2 20130508; KR 100727363 B1 20070613; KR 20020093128 A 20021212; MX PA02010048 A 20030310; MY 127143 A 20061130; NO 20025285 D0 20021104; NO 20025285 L 20021104; NZ 521875 A 20040528; PL 198793 B1 20080731; PL 358461 A1 20040809; SK 15502002 A3 20030502; WO 0185874 A2 20011115; WO 0185874 A3 20020404

DOCDB simple family (application)
US 25797902 A 20021029; AR P010102084 A 20010503; AT 01943321 T 20010504; AU 2001265925 A 20010504; AU 6592501 A 20010504; BR 0110543 A 20010504; CA 2406762 A 20010504; CZ 20023608 A 20010504; DE 10021936 A 20000505; DE 50109967 T 20010504; EE P200200624 A 20010504; EP 0105039 W 20010504; EP 01943321 A 20010504; HR P20020957 A 20021204; HU P0301874 A 20010504; IL 15235701 A 20010504; JP 2001582464 A 20010504; KR 20027014812 A 20021105; MX PA02010048 A 20010504; MY PI20011862 A 20010419; NO 20025285 A 20021104; NZ 52187501 A 20010504; PL 35846101 A 20010504; SK 15502002 A 20010504