

Title (en)

VERSATILE ADDITIVE TO LUBRICATING AND FUEL MATERIALS AND FUELS CONTAINING SAID ADDITIVE

Title (de)

VIELSEITIGES ADDITIV FÜR SCHMIER- UND BRENNSTOFFMATERIALIEN UND DIESES ADDITIV ENTHALTENDE BRENNSTOFFE

Title (fr)

ADDITIF POLYVALENT POUR MATÉRIAUX LUBRIFIANTS ET COMBUSTIBLES ET COMBUSTIBLES RENFERMANT CET ADDITIF

Publication

EP 1990397 A4 20120404 (EN)

Application

EP 06748142 A 20060328

Priority

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- UA A200602282 A 20060302

Abstract (en)

[origin: EP1990397A1] The claimed inventions relate to petrochemistry, in particular to additives for lubricating and fuel materials and to a versatile additive-containing fuel for internal combustion engine, diesel fuel and a furnace fuel for furnaces of heat-and-power generating plants and metal melting furnaces. The inventive additive contains 0.1-82% of monoatomic aliphatic saturated C1-C4 alcohol, 0.1-16% of water- and/or alcohol-soluble ammonium salt of saturated monocarboxylic C2-C5 acid and/or 0.1-44% of carbamide and water up to 100%. The fuel contains a mixture of liquid hydrocarbons and the additive dissolved therein. Gasoline, diesel fuel and furnace fuel are used in the form of the liquid hydrocarbon mixture. The additive is embodied in the form of the versatile additive having the above-mentioned composition taken in a quantity ranging from 0.000005 to 0.005%. The liquid hydrocarbon mixture is also embodied in the form of a colza oil and/or a diesel fuel and/or a colza oil methyl ether. Said invention makes it possible to reduce a soot deposit formation during the operation of engines, decrease the toxicity of exhaust gases and the wearing of metal components of engine fuel systems by increasing a molar refraction due to formation of a double ion layer in friction pairs.

IPC 8 full level

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