

Title (en)

Additive to improve combustion in internal combustion engines and boilers

Title (de)

Additiv zur Verbesserung der Verbrennung in Verbrennungsmotoren und Heizkesseln

Title (fr)

Additif pour améliorer la combustion dans des moteurs à combustion interne et des chaudières

Publication

**EP 1310546 A3 20031112 (EN)**

Application

**EP 02380230 A 20021106**

Priority

ES 200102454 A 20011107

Abstract (en)

[origin: EP1310546A2] The present invention relates to additives for internal combustion engine and boiler fuels containing water, to improve combustion, reduce emissions of carbon monoxide (CO) and unburned hydrocarbons (HC), reduce formation of fumes, particles and carbonaceous deposits and reduce fuel consumption, consisting of mixtures of a) aqueous solutions of one or more aminoacids, b) one or more alcohols having 1 to 5 carbon atoms, and optionally c) reaction products of acids and basic nitrogenated products and/or d) methyl esters of fatty acids and/or e) solvents compatible with the fuel. The formulation of the additives for gasoline and diesel engines can also include compounds for improving the octane and cetane numbers, respectively.

IPC 1-7

**C10L 10/00**; C10L 1/22; C10L 1/18

IPC 8 full level

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CPC (source: EP)

**C10L 1/10** (2013.01); **C10L 10/02** (2013.01); **C10L 10/04** (2013.01); C10L 1/125 (2013.01); C10L 1/1266 (2013.01); C10L 1/1608 (2013.01); C10L 1/1824 (2013.01); C10L 1/1852 (2013.01); C10L 1/1857 (2013.01); C10L 1/1881 (2013.01); C10L 1/1883 (2013.01); C10L 1/19 (2013.01); C10L 1/221 (2013.01); C10L 1/2222 (2013.01); C10L 1/2225 (2013.01); C10L 1/2227 (2013.01); C10L 1/224 (2013.01); C10L 1/226 (2013.01); C10L 1/232 (2013.01)

Citation (search report)

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**EP 1310546 A2 20030514**; **EP 1310546 A3 20031112**; **EP 1310546 B1 20080903**; AT E407189 T1 20080915; DE 60228668 D1 20081016; ES 2189672 A1 20030701; ES 2189672 B1 20041116; ES 2312539 T3 20090301

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