

Title (en)

Additive for liquid fuel, liquid fuel containing same and its use for energy generation and/or heating and/or cooking devices

Title (de)

Zusatzstoff für flüssigen Brennstoff, der ihn enthaltende flüssige Brennstoff und seine Anwendung für Energieerzeugungsgeräte und/oder Heizgeräte und/oder Kochgeräte

Title (fr)

Additif pour combustible liquide, combustible liquide le contenant et son utilisation pour les appareils de production d'énergie et/ou de chauffage et/ou de cuisson

Publication

EP 2147966 A1 20100127 (FR)

Application

EP 09290586 A 20090724

Priority

FR 0804256 A 20080725

Abstract (en)

Liquid fuel additive of Burning Kerosene or paraffin oil comprises mixture of: at least one antioxidant of phenol or phenol/amine type, preferably antioxidant of phenol/amine; at least one metal passivator, preferably copper; at least one anticorrosion agent, and optionally at least one combustion improver and at least one perfuming agent, odor masking agent and/or reodorant. Independent claims are included for: (1) a process for preparing the additive comprising mixing constituents of the additive at room temperature; and (2) a composition of liquid fuel comprising a major part of a mixture made of hydrocarbon liquids of Burning Kerosene type or paraffin oil having distillation temperatures of 180-370[deg] C, preferably 180-260[deg] C, and an aromatic content of up to 20%, preferably = 1%, and a minor part of at least one additive, where the mixture of hydrocarbon fluids comprises middle distillate, obtained from refineries, biofuels, biomass and/or synthetic fuels.

Abstract (fr)

La présente invention concerne un additif pour combustible liquide de type Burning Kerosene ou pétrole lampant qui évite non seulement les problèmes de bouchage des conduits d'alimentation allant du réservoir de stockage de combustible vers le foyer de combustion mais aussi assure une excellente qualité de combustion tout en limitant les dépôts solides au niveau du brûleur, y compris lorsque le combustible liquide contient une quantité non négligeable de composés aromatiques. L'additif selon l'invention comprend un agent anti-oxydant de type phénol ou phénol/amine, un passivateur de métal, notamment de cuivre, un agent anti-corrosion. Les combustibles de type Burning Kerosene ou pétrole lampant additivés avec l'additif selon l'invention sont particulièrement efficaces pour la production d'énergie, pour le chauffage et/ou pour la cuisson, et plus particulièrement comme combustibles d'appareils de chauffage et notamment de poêles à vaporisation et comme combustibles de cuisinières et notamment de cuisinières à combustion lente.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

EP 1591514 A2 20051102 - TOTAL FRANCE [FR]

Citation (search report)

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DOCDB simple family (application)

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