

Title (en)
Method for making a fuel additive

Title (de)
Verfahren zur Herstellung eines Treibstoffadditivs

Title (fr)
Procédé destiné à la fabrication d'un additif de carburant

Publication
EP 2664663 A1 20131120 (DE)

Application
EP 12168102 A 20120515

Priority
EP 12168102 A 20120515

Abstract (en)
Producing a fuel additive on the basis of a liquid hydrocarbon mixture, comprises (a) providing the liquid hydrocarbon mixture comprising at least one hydrocarbon component and an alcohol component, where the hydrocarbon component and the alcohol component are completely miscible, (b) treating the liquid hydrocarbon mixture with a solid mixture comprising at least one inorganic silicon compound and at least one mineral salt, and (c) separating the liquid hydrocarbon mixture from the solid mixture, where the liquid hydrocarbon mixture forms the fuel additive. Producing a fuel additive on the basis of a liquid hydrocarbon mixture, comprises (a) providing the liquid hydrocarbon mixture comprising at least one hydrocarbon component consisting of one or more aliphatic 2-18C-hydrocarbons comprising alkanes, alkenes, alkynes, alcohols, aldehydes, ketones, hydroperoxides, ethers and/or esters, and an alcohol component composed of one or more 1-18C-monoalcohols, where the hydrocarbon component and the alcohol component are completely miscible, (b) treating the liquid hydrocarbon mixture with a solid mixture comprising at least one inorganic silicon compound and at least one mineral salt, and (c) separating the liquid hydrocarbon mixture from the solid mixture, where the liquid hydrocarbon mixture forms the fuel additive. Independent claims are included for: (1) the fuel additive produced by the method; (2) a fuel comprising the fuel additive; (3) reducing the fuel consumption and/or emissions of an internal combustion engine, comprising mixing the fuel additive with the fuel for the internal combustion engine and operating the internal combustion engine with the fuel thus obtained; (4) operating an internal combustion engine, comprising adding the fuel additive to the fuel of internal combustion engine; and (5) a Kit comprising the fuel additive and a guidance for mixing the fuel additive with the fuel.

Abstract (de)
Die vorliegende Erfindung betrifft ein Verfahren zur Herstellung eines Treibstoffadditivs, ein nach diesem Verfahren erhaltenes Treibstoffadditiv, einen Treibstoff enthaltend ein nach dem Verfahren hergestelltes Treibstoffadditiv sowie Kits und Verfahren unter Verwendung eines solchen Treibstoffadditivs.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)
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• EP 0626994 B1 20000301 - CHEVRON CHEM CO [US]
• EP 0478828 A1 19920408 - NASU ATSUSHI [JP]

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