

Title (en)

METHOD FOR PRODUCING BIOFUELS, TRANSFORMING TRIGLYCERIDES INTO AT LEAST TWO BIOFUEL FAMILIES: FATTY ACID MONOESTERS AND ETHERS AND/OR SOLUBLE GLYCEROL ACETALS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON BIOBRENNSTOFFEN, UMWANDLUNG VON TRIGLYCERIDEN IN MINDSTENS ZWEI BIOBRENNSTOFF-FAMILIEN; FETTSÄUREMONOESTER UND -ETHER UND/ODER LÖSLICHE GLYCERINACETALE

Title (fr)

PROCEDEDE FABRICATION DE BIOCARBURANTS ; TRANSFORMATION DE TRIGLYCERIDES EN AU MOINS DEUX FAMILLES DE BIOCARBURANTS MONOESTERS D'ACIDES GRAS ET ETHERS ET/OU ACETALS SOLUBLES DU GLYCEROL

Publication

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Application

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Abstract (en)

[origin: WO2005093015A1] The invention relates to a method for producing biofuels by transforming triglycerides into at least two biofuel families: fatty acid monoesters and ethers and/or soluble glycerol acetals involving at least one transesterification stage consisting in reacting said triglyceride by heterogeneous catalysis with at least one type of primary monoalcohol selected between methanol and ethanol in such a way that at least one type of methyl and/or ethyl ester of fatty acid(s) of initial triglyceride(s) and a glycerol are produced, said products being devoid of sub-products, an esterification stage consisting in reacting glycerol with at least one type of olefinic hydrocarbon having from 4 to 12 carbon atoms and/or an acetalisation stage consisting in reacting glycerol with at least one compound selected between aldehydes, ketones and aldehyde or ketone acetal derivatives.

IPC 8 full level

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CPC (source: EP US)

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