Title (en)
METHOD FOR PREPARING A MIXTURE OF BIOFUELS

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES GEMISCHS VON BIOBRENNSTOFFEN

Title (fr)
PROCÉDÉ DE PRÉPARATION D'UN MÉLANGE DE BIOCARBURANTS

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Application
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Abstract (en)
[origin: WO2009141564A2] The invention relates to a method of preparing a mixture of biofuels comprising fatty acid esters and at least one mixture of glycerol ethers from fatty substances that may contain free fatty acids and ethanol comprising: a) a step of transesterification of a vegetable or animal oil by ethanol in the presence of a catalyst based on at least one alkali metal salt or ammonium heteropolyacid salt characterized by differential heat of absorption of ammonia which is greater than or equal to 150 kJ/mol, stable at T>150°C, in order to obtain fatty acid esters and glycerol, and, b) a step of etherification of the glycerol formed during step a) by the alcohol used in step a) in the presence of the catalyst from step a) in order to obtain at least one ether of the glycerol, said steps a) and b) taking place simultaneously, in one and the same reactor.

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