

Title (en)

PROCESS FOR THE PREPARATION OF FATTY ACID ALKYL ESTERS FROM FATTY ACIDS AND ALIPHATIC ALCOHOLS EMPLOYING ESTERASES IN THE FIRST STEP AND CHEMICAL CATALYSIS IN A FURTHER STEP

Title (de)

VERFAHREN ZUR HERSTELLUNG VON FETTSÄUREALKYLESTERN AUS FETTSÄUREN UND ALIPHATISCHEN ALKOHOLEN UNTER VERWENDUNG VON ESTERASEN IN DER ERSTEN STUFE UND CHEMISCHEN KATALYSE IN EINER WEITEREN STUFE

Title (fr)

PROCÉDÉ DE PRÉPARATION D'ESTERS ALKYLQUES D'ACIDES GRAS À PARTIR D'ACIDES GRAS ET D'ALCOOLS ALIPHATIQUES EN UTILISANT DES ESTÉRASES DANS LA PREMIÈRE ÉTAPE ET LA CATALYSE CHIMIQUE DANS UNE ÉTAPE ULTÉRIEURE

Publication

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Application

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Priority

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- DE 102005037989 A 20050811

Abstract (en)

[origin: WO2007017167A2] Disclosed is a method for producing fatty acid esters, in which (a) fatty acids are treated with aqueous aliphatic alcohols having a boiling point ranging between 60 and 120 °C in the presence of esterases so as to obtain a pre-esterification product, (b) water and non-reacted alcohol are separated from the pre-esterification product, (c) the pre-esterification product is subjected to a second, chemically catalyzed esterification process, the same aliphatic alcohol being added as in step (a), and (d) the separated aqueous alcohol from step (c) is reused for the enzymatic pre-esterification process in stage (a).

IPC 8 full level

C12P 7/62 (2006.01)

CPC (source: EP US)

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