Title (en)
METHOD AND SYSTEM FOR THE ESTERIFICATION OF FATTY ACIDS

Title (de)
VERFAHREN UND ANLAGE ZUR VERESTERUNG VON FETTS UREN

Title (fr)
PROCEDE ET INSTALLATION D'ESTERIFICATION D'ACIDES GRAS

Publication
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Application
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Abstract (en)
[origin: WO03087278A1] The invention relates to a method and system for the esterification of fatty acids and/or fatty acids contained in fats and oils with low monovalent alcohols, especially methanol. Acids, especially sulphuric acid, dissolved in lower alcohols, especially methanol and/or exclusively in lower alcohols, especially in methanol with ion exchange resins, are added to the fatty acids. The interphases of the mixtures are increased in the reaction section (3) by means of high or strong dynamic shearing cutting forces and/or turbulence. The esterification begins at high pressure and the pressure is reduced during esterification, whereby the pressure loss maintains a high interphase. Said reaction is carried out in the reaction section (3) at a high temperature.

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IPC 8 full level
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C-Set (source: EP US)
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
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