

Title (en)
PROCESS FOR PREPARING CARBOXYLIC ESTERS BY REACTIVE DISTILLATION

Title (de)
VERFAHREN ZUR HERSTELLUNG VON CARBONSÄUREESTERN DURCH REAKTIVDESTILLATION

Title (fr)
PROCÉDÉ DE PRODUCTION D'ESTERS D'ACIDES CARBOXYLIQUES PAR DISTILLATION RÉACTIVE

Publication
EP 2560943 A2 20130227 (DE)

Application
EP 11714782 A 20110419

Priority
• EP 10160353 A 20100419
• EP 2011056189 W 20110419
• EP 11714782 A 20110419

Abstract (en)
[origin: WO2011131643A2] In a process for preparing carboxylic esters by transesterification, a first feed stream comprising a first carboxylic ester, e.g. methyl formate, is introduced at the side into a reaction column at a first inlet located between the top and the bottom of the reaction column and a second feed stream comprising a first alcohol, e.g. ethanol, is introduced at the side into the reaction column at a second inlet located above the first inlet and the feed streams are reacted in a reaction zone of the reaction column to form a second carboxylic ester and a second alcohol. The first alcohol has a higher molecular weight than the second alcohol. A product fraction comprising the second carboxylic ester and unreacted first carboxylic ester is taken off at an offtake located above the second inlet. A bottom fraction comprising the second alcohol and unreacted first alcohol is taken off at the bottom of the reaction column. The product fraction is separated by distillation at a pressure which is different from the pressure in the reaction column into second carboxylic ester and a fraction containing unreacted first carboxylic ester and the fraction containing unreacted first carboxylic ester is at least partly recirculated to the reaction zone.

IPC 8 full level
C07C 67/03 (2006.01)

CPC (source: EP KR)
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See references of WO 2011131643A2

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