

Title (en)

PRODUCTION OF ESTERS OF 3-HYDROXYPROPIONIC ACID AND ACRYLIC ACID

Title (de)

HERSTELLUNG VON ESTERN DER 3-HYDROXYPROPIONSÄURE UND ACRYLSÄURE

Title (fr)

PRÉPARATION D'ESTERS D'ACIDE 3-HYDROXYPROPIONIQUE ET D'ACIDE ACRYLIQUE

Publication

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Application

**EP 16795381 A 20161116**

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Abstract (en)

[origin: WO2017085120A1] The invention relates to 3-hydroxypropionic acid esters, obtained by conversion of ethylene oxide with carbon monoxide in the presence of a cobalt catalyst, wherein poly-3-hydroxypropionate is obtained; and transesterification of the poly-3-hydroxypropionate with an alcohol in the presence of a transesterification catalyst, wherein the 3-hydroxypropionic acid esters are obtained. The transesterification catalyst is a compound of the formula ML<sub>x</sub>, wherein M stands for a metal of the 2nd, 3rd, or 4th main group or the 3rd to 8th secondary group of the periodic system of the elements, L stands for a ligand, which directly bonds to an M via a C, an O, a P, an S and/or an N atom, and x is a whole number from 2 to 6.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2017085120A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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