

Title (en)
TRANSITION METAL CARBENE COMPLEX CATALYSED METHOD FOR PRODUCING CARBOXYLIC ACID ESTERS FROM ALCOHOLS UNDER DEHYDRATION

Title (de)
ÜBERGANGSMETALLCARBENKOMPLEX- KATALYSIERTES VERFAHREN ZUR HERSTELLUNG VON CARBONSÄUREESTERN AUS ALKOHOLEN UNTER DEHYDRIERUNG

Title (fr)
PROCÉDÉ, CATALYSÉ PAR UN COMPLEXE CARBÈNE DE MÉTAL DE TRANSITION, POUR LA PRÉPARATION D'ESTERS D'ACIDES CARBOXYLIQUES PAR DÉSHYDROGÉNATION À PARTIR D'ALCOOLS

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EP 13739190 A 20130716

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Abstract (en)
[origin: WO2014012908A1] The present invention relates to a method for producing carboxylic acid esters, comprising the reaction of at least one primary mono alcohol or a mixture of a primary mono alcohol and at least one alcohol differing from this in the presence of a transition metal carbene complex catalyst (K), which has as the central atom (M) at least one transition metal atom of group 8, 9 or 10 of the periodic table (IUPAC) and at least one monodentate N-heterocyclic carbene ligand, in the presence of a base, characterized in that the catalyst (K) is produced by reaction of a transition metal compound (V), which has at least one transition metal atom of group 8, 9 or 10 of the periodic table (IUPAC), but no carbene ligand, with an imidazolium salt in the presence of the primary mono alcohol and the base, wherein the reaction is a bulk reaction.

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Citation (search report)
See references of WO 2014012908A1

Citation (examination)
"Lehrbuch der Anorganischen Chemie", 2007, HOLLEMANN WIBERG, pages: 1635

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