

Title (en)

PROCESS FOR PREPARING V- TI-P CATALYSTS FOR SYNTHESIS OF 2,3-UNSATURATED CARBOXYLIC ACIDS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON V-TI-P-KATALYSATOREN ZUR SYNTHESE VON 2,3-UNGESÄTTIGTEN CARBONSÄUREN

Title (fr)

PROCÉDÉ POUR LA PRÉPARATION DE CATALYSEURS V-TI-P POUR LA SYNTHÈSE D'ACIDES CARBOXYLIQUES 2,3 INSATURÉS

Publication

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Application

EP 14719884 A 20140304

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Abstract (en)

[origin: WO2014158794A1] The invention relates to a catalyst composition comprising a mixed oxide of vanadium, titanium, and phosphorus. The titanium component is derived from a water-soluble, redox-active organo-titanium compound. The catalyst composition is highly effective at facilitating the vapor-phase condensation of formaldehyde with acetic acid to generate acrylic acid, particularly using an industrially relevant aqueous liquid feed. Additionally, the catalyst composition is catalytically active towards the formation of acrylic acid from methylene diacetate and methacrylic acid from methylene dipropionate; both reactions are carried out with high space time yields.

IPC 8 full level

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