

Title (en)  
METHOD FOR PRODUCING VINYLIDENE CARBOXYLIC ACID (ESTERS) BY REACTING FORMALDEHYDE WITH ALKYL CARBOXYLIC ACID (ESTERS)

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON VINYLIDENCARBONSÄURE(ESTER)N DURCH UMSETZUNG VON FORMALDEHYD MIT ALKYL CARBONSÄURE(ESTERN)N

Title (fr)  
PROCÉDÉ DE PRODUCTION (D'ESTERS) D'ACIDES VINYLIDÈNECARBOXYLIQUES PAR RÉACTION DE FORMALDÉHYDE AVEC DES (ESTERS D') ACIDES ALKYL CARBOXYLIQUES

Publication  
**EP 2997005 A1 20160323 (DE)**

Application  
**EP 14724697 A 20140509**

Priority  
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• EP 2014059520 W 20140509

Abstract (en)  
[origin: US2014343318A1] Process for preparing a vinylidenecarboxylic acid or ester thereof, wherein a reaction gas comprising gaseous formaldehyde, molecular oxygen and an alkylcarboxylic acid or ester thereof is brought into contact with a solid catalyst whose active composition comprises a vanadium-phosphorus oxide having an average oxidation state of vanadium of from +4.40 to +5.0 to give a product gas comprising the vinylidenecarboxylic acid or ester thereof.

IPC 8 full level  
**C07C 51/353** (2006.01); **C07C 57/04** (2006.01)

CPC (source: EP US)  
**C07C 51/347** (2013.01 - US); **C07C 51/353** (2013.01 - EP US)

Citation (search report)  
See references of WO 2014184098A1

Cited by  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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