

Title (en)

TERTIARY ALKYLAMINES AS METHACROLEIN SYNTHESIS CO-CATALYST

Title (de)

TERTIÄRE ALKYLAMINE ALS COKATALYSATOR BEI DER METHACROLEIN-SYNTHESE

Title (fr)

ALKYLAMINES TERTIAIRES EMPLOYÉES COMME COCATALYSEUR PENDANT LA SYNTHÈSE DE LA MÉTHACROLÉINE

Publication

EP 3080067 A1 20161019 (DE)

Application

EP 14805929 A 20141203

Priority

- EP 13196810 A 20131212
- EP 2014076326 W 20141203
- EP 14805929 A 20141203

Abstract (en)

[origin: WO2015086386A1] The invention relates to a method for preparing methacrolein from propionaldehyde and formalin. Said novel method is characterized in that the catalyst system used for the conversion is modified by the simultaneous presence of secondary and tertiary amines in such a way that the synthesis can be performed more efficiently and requires less effort in the purification stage.

IPC 8 full level

C07C 45/75 (2006.01); **C07C 47/22** (2006.01)

CPC (source: EP KR US)

C07C 45/75 (2013.01 - EP KR US); **C07C 47/22** (2013.01 - KR); **C07C 67/39** (2013.01 - US)

Citation (search report)

See references of WO 2015086386A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2883859 A1 20150617; CN 105722814 A 20160629; EP 3080067 A1 20161019; JP 2017502943 A 20170126; KR 20160098374 A 20160818; SG 11201602880U A 20160530; TW 201536732 A 20151001; US 2016280624 A1 20160929; WO 2015086386 A1 20150618

DOCDB simple family (application)

EP 13196810 A 20131212; CN 201480061221 A 20141203; EP 14805929 A 20141203; EP 2014076326 W 20141203; JP 2016538637 A 20141203; KR 20167018750 A 20141203; SG 11201602880U A 20141203; TW 103142841 A 20141209; US 201415037171 A 20141203