

Title (en)  
PROCESS FOR PRODUCING ALKYL METHACRYLATES AND OPTIONAL METHACRYLIC ACID

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON ALKYL METHACRYLATEN UND OPTIONAL METHACRYLSÄURE

Title (fr)  
PROCÉDÉ PERMETTANT LA PRODUCTION DE MÉTHACRYLATES D'ALKYLE ET ÉVENTUELLEMENT DE L'ACIDE MÉTHACRYLIQUE

Publication  
**EP 3994120 A1 20220511 (DE)**

Application  
**EP 20730433 A 20200610**

Priority

- EP 19184618 A 20190705
- EP 2020066008 W 20200610

Abstract (en)  
[origin: WO2021004719A1] The present invention relates to a novel process for producing methacrylates, such as methacrylic acid and/or alkyl methacrylates, in particular MMA. The present invention relates, in particular, to an increase in yield and efficiency of C-4 based production processes, i.e. in particular those processes which use isobutylene or tert-butanol as raw material. With the present invention-based process, it is possible to operate such processes for a longer period of time without disturbances while maintaining or even increasing activities and selectivities. As a result, it is possible to carry out processes of this type in as simple, economical and environmentally friendly a manner as possible.

IPC 8 full level  
**C07C 67/39** (2006.01); **C07C 45/35** (2006.01); **C07C 45/37** (2006.01); **C07C 47/22** (2006.01); **C07C 51/25** (2006.01); **C07C 57/04** (2006.01); **C07C 67/08** (2006.01); **C07C 69/54** (2006.01)

CPC (source: CN EP KR US)  
**B01J 21/12** (2013.01 - CN EP KR US); **B01J 21/14** (2013.01 - CN EP KR US); **B01J 23/8913** (2013.01 - CN EP KR US); **B01J 37/0045** (2013.01 - CN EP KR); **B01J 37/0201** (2013.01 - CN EP KR US); **B01J 37/031** (2013.01 - CN EP KR); **B01J 37/088** (2013.01 - CN EP KR); **C07C 45/35** (2013.01 - CN EP KR US); **C07C 45/37** (2013.01 - CN EP KR); **C07C 47/22** (2013.01 - CN KR); **C07C 51/252** (2013.01 - CN EP KR US); **C07C 57/04** (2013.01 - CN KR); **C07C 67/08** (2013.01 - CN EP KR); **C07C 67/39** (2013.01 - CN EP KR); **C07C 69/54** (2013.01 - CN KR)

Citation (search report)  
See references of WO 2021004719A1

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 3760608 A1 20210106**; CN 114127041 A 20220301; EP 3994120 A1 20220511; JP 2022538679 A 20220905; KR 20220030274 A 20220310; TW 202112730 A 20210401; US 11472762 B2 20221018; US 2022204436 A1 20220630; WO 2021004719 A1 20210114

DOCDB simple family (application)  
**EP 19184618 A 20190705**; CN 202080049128 A 20200610; EP 2020066008 W 20200610; EP 20730433 A 20200610; JP 2022500114 A 20200610; KR 20227003594 A 20200610; TW 109122222 A 20200701; US 202017597345 A 20200610