

Title (en)

METHOD OF PREPARING ACRYLIC ACID AND METHACRYLIC ACID

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ACRYLSÄURE UND METHACRYLSÄURE

Title (fr)

PROCEDE DE PRODUCTION D'ACIDE ACRYLIQUE ET D'ACIDE METHACRYLIQUE

Publication

EP 0923523 A2 19990623 (DE)

Application

EP 97936631 A 19970709

Priority

- DE 19627850 A 19960710
- EP 9703629 W 19970709

Abstract (en)

[origin: DE19627850A1] A method of preparing acrylic acid or methacrylic acid comprises the following steps: (a) preparation of a gaseous reaction mixture which contains acrylic acid or methacrylic acid, essentially having the composition of a reaction mixture of catalytic gas-phase oxidation of C3/C4 alkanes, alkenes, alkanols and/or alkanals and/or precursors thereof to form acrylic acid or methacrylic acid, (b) absorption of the reaction product with a solvent mixture consisting of at least one lactame dissolved in at least one polar organic solvent, and (c) distillation of the reaction product-bearing solvent mixture to obtain a crude acrylic acid or crude methacrylic acid and the solvent mixture.

IPC 1-7

C07C 51/00

IPC 8 full level

C07C 57/05 (2006.01); **C07C 51/44** (2006.01); **C07C 51/48** (2006.01); **C07C 57/07** (2006.01)

CPC (source: EP KR)

C07C 51/48 (2013.01 - EP); **C07C 57/04** (2013.01 - KR); **Y02P 20/582** (2015.11 - EP)

Citation (search report)

See references of WO 9801411A2

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

DE 19627850 A1 19980115; BR 9710231 A 19990810; CA 2259994 A1 19980115; CN 1227537 A 19990901; EP 0923523 A2 19990623; ID 18425 A 19980409; JP 2000514076 A 20001024; KR 20000023679 A 20000425; WO 9801411 A2 19980115; WO 9801411 A3 19980625

DOCDB simple family (application)

DE 19627850 A 19960710; BR 9710231 A 19970709; CA 2259994 A 19970709; CN 97197178 A 19970709; EP 9703629 W 19970709; EP 97936631 A 19970709; ID 972394 A 19970710; JP 50480698 A 19970709; KR 19997000136 A 19990109