

Title (en)
METHOD FOR PRODUCING ACRYLIC ACID

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ACRYLSÄURE

Title (fr)
PROCEDE DE PRODUCTION D'ACIDE ACRYLIQUE

Publication
EP 1098867 A1 20010516 (DE)

Application
EP 99939391 A 19990721

Priority
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• EP 9905204 W 19990721

Abstract (en)
[origin: DE19833049A1] In a process for production of acrylic acid by catalytic gas-phase oxidation of a 3C feedstock, the gaseous product is worked up by condensation followed by crystallization of acrylic acid by evaporation under vacuum, both the mother liquor from crystallization and the evaporated solution being at least partly recycled to the condensation stage. The production of acrylic acid comprises: (a) catalytic gas-phase oxidation of 3C alkanes, alkenes, alkanols and/or alkanals and/or precursors thereof to acrylic acid, (b) condensation of the gaseous product mixture, (c) crystallization of acrylic acid by partial evaporation of the solution obtained under vacuum, (d) separation of the crystals from the mother liquor, (e) recycling at least part of the mother liquor from (d) to stage (b) and (f) recycling at least part of the evaporated solution from (c) to stage (b).

IPC 1-7
C07C 51/43; **C07C 57/07**

IPC 8 full level
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CPC (source: EP KR US)
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