

Title (en)

PROCESS FOR PREPARING ACROLEIN OR ACRYLIC ACID OR A MIXTURE THEREOF FROM PROPANE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ACROLEIN, ODER ACRYLSÄURE, ODER DEREN GEMISCH AUS PROPAN

Title (fr)

PROCEDE DE PRODUCTION D'ACROLEINE, D'ACIDE ACRYLIQUE OU D'UN MELANGE DE CEUX-CI A PARTIR DE PROPANE

Publication

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Application

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Abstract (en)

[origin: WO2007060036A1] A process for preparing acrolein or acrylic acid or a mixture thereof as a target product from propane, in which, in a reaction zone A, propane is partially dehydrogenated under heterogeneous catalysis, molecular hydrogen formed in this way is combusted partly to water and the product gas A thus formed in reaction zone A is used without secondary component removal to charge a reaction zone B in which propylene present in product gas A is partially oxidized to the target product. The target product is removed from the product gas B formed in reaction zone B and the residual gas I which remains, after an aftertreatment thereof comprising a CO₂ scrubbing and a partial discharge, is recycled into reaction zone A.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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