

Title (en)

METHOD FOR PRODUCING ACRYLIC ACID FROM PROPANE IN THE ABSENCE OF MOLECULAR OXYGEN

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ACRYLSÄURE AUS PROPAN IN ABWESENHEIT VON MOLEKULAREM SAUERSTOFF

Title (fr)

PROCEDE DE FABRICATION D ACIDE ACRYLIQUE A PARTIR DE PROPANE ET EN L'ABSENCE D'OXYGENE MOLECULAIRE

Publication

**EP 1453785 A2 20040908 (FR)**

Application

**EP 02799759 A 20021128**

Priority

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Abstract (en)

[origin: WO03045886A2] The invention concerns a method for producing acrylic acid from propane in the absence of molecular oxygen. Said method is characterized in that it consists in passing a gas mixture free of molecular oxygen and comprising propane, water vapour, as well as, optionally, an inert gas, over a catalyst including molybdenum, vanadium, tellurium, oxygen and at least another element X selected among niobium, tantalum, tungsten, titanium, aluminium, zirconium, chromium, manganese, iron, ruthenium, cobalt, rhodium, nickel, palladium, platinum, antimony, bismuth, boron, indium and cerium, and on a co-catalyst of formula (II): Mo1BiaFeb'Coc'Nid'Ke'Sbf'Tig'Sih'Cai'Nb'j'Tek'Pbl'Wm'Cun'. The invention also concerns a solid catalytic composition comprising said catalyst and co-catalyst and the use of said composition for producing acrylic acid from propane.

IPC 1-7

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IPC 8 full level

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Citation (search report)

See references of WO 03045886A2

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