

Title (en)

CATALYST PRECURSOR FOR PRODUCING MALEIC ACID ANHYDRIDE AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

KATALYSATOR-PRECURSOR FÜR DIE HERSTELLUNG VON MALEINSÄUREANHYDRID UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

PRÉCURSEUR DE CATALYSEUR POUR LA PRODUCTION D'ANHYDRIDE D'ACIDE MALÉIQUE ET SON PROCÉDÉ DE PRODUCTION

Publication

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Application

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Abstract (en)

[origin: WO2011023646A1] The invention relates to a method for producing a catalyst precursor comprising vanadium, phosphorus, and oxygen, for producing maleic acid anhydride by heterogeneous catalytic gas phase oxidation of a hydrocarbon having at least four carbon atoms, characterized in that (a) vanadium pentoxide is converted in the presence of iso-butanol and optionally in the presence of a primary or secondary, non-cyclical or cyclical, unbranched or branched, saturated alcohol having 3 to 6 carbon atoms, and 102 to 110% phosphoric acid, in a temperature range from 80 to 160 °C; (b) the precipitate that forms is isolated; (c) (i) the isolated precipitate is dried to a residual iso-butanol content of less than 5% by weight; (ii) the dried precipitate is then permeated by a gas comprising 0.1% to 9% by volume of oxygen in addition to one or more inert gases, immediately or after isolating, in a temperature range from 130 °C to 200 °C.

IPC 8 full level

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See references of WO 2011023646A1

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