

Title (en)

CATALYSTS FROM VPO PRECURSORS HAVING A DEFINED PARTICLE SIZE DISTRIBUTION, PRODUCTION AND USE THEREOF

Title (de)

KATALYSATOREN AUS VPO-VORSTUFEN MIT DEFINIERTER TEILCHENGRÖSSENVERTEILUNG, DEREN HERSTELLUNG UND VERWENDUNG

Title (fr)

CATALYSEURS À BASE DE PRÉCURSEURS VPO PRÉSENTANT UNE GRANULOMÉTRIE DÉFINIE, LEUR PRODUCTION ET LEUR UTILISATION

Publication

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Application

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Abstract (en)

[origin: WO2008022911A1] Disclosed are a catalyst precursor or catalyst and a method for the production thereof. According to said method, a) a suspension is produced which contains a vanadium, phosphorus, and oxygen-containing precursor (VPO precursor), the ultrasonically dispersed particles of which have an average diameter $d_{\text{SUB}} > 50$, primary particles of less than $1.3 \mu\text{m}$ in an aqueous solution and which are provided in the form of agglomerates having an average diameter $d_{\text{SUB}} > 50$, agglomerates of 2 to $20 \mu\text{m}$ in water, the average diameters of the primary particles and the agglomerates of the VPO precursor being determined by means of laser diffraction according to ISO 13320, b) the suspension is spray dried, and c) if necessary, the catalyst precursor obtained in step b) is transformed into the catalyst by means of a thermal treatment. Also disclosed is the use of said catalyst for gas phase oxidation of hydrocarbons.

IPC 8 full level

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