

octahedral molecular sieves such as OMS-1 and OMS-2.

NEW CATALYTIC MATERIALS

5583086

CESIUM CONTAINING MULTIMETAL OXIDE CATALYST COMPOSITIONS FOR THE PREPARATION OF METHACROLEIN BY GAS-PHASE-CATALYTIC OXIDATION

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Cesium based multimetal oxide compositions which are suitable as catalysts for the gas-phase-catalytic oxidative preparation of methacrolein from isobutene or tert-butanol or its methyl ether. The catalysts are characterized by increased selectivity for the formation of methacrolein. The catalysts have locally delimited regions of an oxide composition, preferably (Bi₂W₂O₉), surrounded by the remaining constituents of the multimetal oxide.

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METHOD FOR IMPREGNATING CATALYST SUPPORT WITH PLATINUM

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PCT No. PCT/FI93/00099 Sec. 371 Date Sep. 19, 1994 Sec. 102(e) Date Sep. 19, 1994 PCT Filed Mar. 18, 1993 PCT Pub. No. WO93/18855 PCT Pub. Date Sep. 30, 1993. The invention relates to a

method for impregnating alumina-containing catalyst support with platinum. In the method a platinum-containing solution is prepared by using a compound which contains bivalent platinum. The method comprises a stage during which the said platinum-containing solution is oxidized in order to form a solution which contains tetravalent platinum, from which solution platinum is adsorbed on the support.

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PROCESS FOR PREPARING SILICA-TITANIA CATALYST

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A process for preparing a silica-titania catalyst by adding an acidic solution containing a silicon compound such as sodium silicate and a titanium compound such as titanium sulfate dissolved therein to a solution of a compound such as ammonium bicarbonate to bring about co-precipitation, in which the acidic solution is a highly concentrated nitric acid-acidic or sulfuric acid-acidic solution, and a ratio of the dissolved titanium compound in the acidic solution is regulated in a certain range. According to this process, a catalyst capable of exerting a high performance in an esterification reaction and the like can be efficiently obtained.

5591870

PROCESS FOR PRODUCING A VANADIUM-PHOSPHORUS OXIDE CATALYST PRECURSOR

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