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(54) **Title:** INORGANIC OXIDE EXTRUDATES USEFUL AS CATALYSTS OR CATALYST SUPPORTS

(57) **Abstract:** An extrudate comprising an inorganic oxide and a comb-branched polymer is disclosed. The calcined extrudates are useful catalysts or catalyst supports. A palladium-gold catalyst prepared with a calcined titania extrudate of the invention is useful in making vinyl acetate from ethylene, acetic acid, and oxygen or oxygen-containing gas. A calcined transition metal zeolite extrudate of the invention is used as a catalyst in oxidizing organic compounds with hydrogen peroxide. Incorporation of a comb-branched polymer improves the mechanical properties of inorganic oxide extrudates.



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