SG 9705408-4

RTMP COPY

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : B01J 23/52, 23/656, 23/68, C07C 67/055 — A1

(11) International Publication Number: WO 96/37284

(43) International Publication Date: 28 November 1996 (28.11.96)

(21) International Application Number: PCT/US96/06848

(22) International Filing Date: 14 May 1996 (14.05.96)

(30) Priority Data:
08/449,504 — 23 May 1995 (23.05.95) — US

(81) Designated States: AU, BR, CA, CN, CZ, HU, JP, KR, MX, NO, NZ, PL, RU, SG, TR, TT, UA, VN, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published
With international search report.

(71) Applicant: HOECHST CELANESE CORPORATION [US/US]; Route 202-206, P.O. Box 2500, Somerville, NJ 08876 (US).

(72) Inventors: ABEL, Roland; Holzstrasse 22, D-46147 Oberhause (DE). NICOLAU, Ioan; 6717 Everhart, Corpus Christi, TX 78413 (US).

(74) Agents: CASSADY, Donald, R. et al.; Hoechst Celanese Corporation, P.O. Box 9077, Corpus Christi, TX 78469 (US).

(54) Title: CATALYST FOR VINYL ACETATE MANUFACTURE

(57) Abstract

A catalyst, as for example, one useful for the manufacture of vinyl acetate from acetic acid, ethylene, and oxygen consisting of the metals palladium, gold, and a metal of the group consisting of zirconium and rhenium on a porous support. The catalyst is manufactured by adsorbing water-soluble salts of the metals onto the support, precipitating the metal as a water-insoluble salt, and reducing the salt to the metal.