

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International patent classification⁶: B01J 23/60, 23/63, C07C 67/055	A1	(11) International publication number: WO 99/29419 (43) International publication date: 17 June 1999 (17.06.99)
(21) International application number: PCT/EP98/07817 (22) International filing date: 2 December 1998 (02.12.98) (30) Data relating to the priority: 197 55 022.3 11 December 1997 (11.12.97) DE (71) Applicant (for all designated States except US): CELANESE GMBH [DE/DE]; Lurgiallee 14, D-60439 Frankfurt (DE). CELANESE INTERNATIONAL CORPORATION [US/US]; 1601 West LBJ Freeway, Dallas, TX 75381 (US). (72) Inventors; and (75) Inventors/Applicants (US only): HERZOG, Bernhard [DE/DE]; Robert-Koch-Strasse 44, D-46145 Oberhausen (DE). WANG, Tao [CN/US]; 7638 Odessa Drive, Corpus Christi, TX 78413 (US). NICOLAU, Ioan [US/US]; Apartment 2902, 6717 Everhard Road, Corpus Christi, TX 78413 (US).		(81) Designated states: BR, CA, CN, CZ, ID, JP, KR, MX, SG, US, European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With the International Search Report. Before expiry of the period provided for amending the claims, will be republished if such amendments are received.</i>

As printed

(54) Title: CATALYST BASED ON PALLADIUM, CADMIUM, ALKALI AND LANTHANOIDS AND A METHOD FOR PRODUCING VINYL ACETATE

(54) Bezeichnung: KATALYSATOR AUF DER BASIS VON PALLADIUM, CADMIUM, ALKALI UND LANTHANOIDE UND VERFAHREN ZUR HERSTELLUNG VON VINYLACETAT

(57) Abstract

The invention relates to a catalyst which contains palladium and/or compounds thereof, cadmium compounds, alkali metal compounds and at least one lanthanoid metal. The invention also relates to the utilization of the catalyst in order to produce vinyl acetate from acetic acid, ethylene and oxygen or gases containing oxygen.

(57) Zusammenfassung

Die vorliegende Erfindung betrifft einen Katalysator, der Palladium und/oder dessen Verbindungen, Cadmiumverbindungen, Alkalimetallverbindungen und mindestens eine Lanthanoidmetallverbindung enthält, und seine Verwendung zur Herstellung von Vinylacetat aus Essigsäure, Ethylen und Sauerstoff oder Sauerstoff enthaltenden Gasen.