

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



RTMP
COPY

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07C 253/10, 255/07	A1	(11) International Publication Number: WO 96/16022 (43) International Publication Date: 30 May 1996 (30.05.96)
(21) International Application Number: PCT/US95/14787 (22) International Filing Date: 1 November 1995 (01.11.95) (30) Priority Data: 08/342,195 18 November 1994 (18.11.94) US (71) Applicant: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventor: DRULINER, Joe, Douglas; 33 Bridleshire Road, Newark, DE 19711-2450 (US). (74) Agents: SCHAEFFER, Andrew, L. et al.; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).		(81) Designated States: BR, CA, CN, JP, KR, SC European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: CATALYZED VAPOR PHASE HYDROCYANATION OF DIOLEFINIC COMPOUNDS		
(57) Abstract <p>A catalyzed vapor phase process for the hydrocyanation of acyclic diolefinic compounds to olefinic nitriles in which the olefinic double bond is not conjugated to the triple bond of the cyano group, wherein a catalyst composition comprising at least one bidentate phosphite ligand and zero-valent nickel is used.</p>		