

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



9702179-4
- Ptmp copy -

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07C 253/30, 255/03	A1	(11) International Publication Number: WO 96/16025 (43) International Publication Date: 30 May 1996 (30.05.96)
(21) International Application Number: PCT/US95/14790 (22) International Filing Date: 1 November 1995 (01.11.95) (30) Priority Data: 08/341,726 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, <u>SG</u> 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 GAS PHASE ISOMERIZATION OF NONCONJUGATED 2-ALKYL-3-MONOALKENENITRILES		
(57) Abstract A gas phase process for the catalytic isomerization of 2-alkyl-3-monoalkenenitriles to 3- and/or 4-monoalkenenitriles, wherein a supported composition of zero-valent nickel and bidentate phosphite ligand is used as the catalyst.		