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(21) International Application Number: PCT/US96/19642 (22) International Filing Date: 12 December 1996 (12.12.96) (30) Priority Data: 08/577,355 ✓ 22 December 1995 (22.12.95) US (71) Applicant: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventors: BREIKSS, Anne, Iriss; 16 Cinnamon Drive, Hockessin, DE 19707-1349 (US). FOO, Thomas; Apart- ment 2-A-3, 402 Foulk Road, Wilmington, DE 19803-3805 (US). (74) Agent: DEITCH, Gerald, E.; 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, SG European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: IMPROVED PROCESS FOR HYDROCYANATION OF DIOLEFINS AND ISOMERIZATION OF NONCONJUGATED 2- ALKYL-3-MONOALKENENITRILES ✓ (57) Abstract A process for the hydrocyanation of diolefins employing a catalyst comprising the combination of a zero-valent nickel compound and certain bidentate phosphorus compounds, and a process for isomerizing 2-alkyl-3-monoalkenenitrile to form linear nitriles by the use of such catalyst.		