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(21) International Application Number: PCT/US99/23843 (22) International Filing Date: 14 October 1999 (14.10.99) (30) Priority Data: 60/105,786 27 October 1998 (27.10.98) US 09/387,601 31 August 1999 (31.08.99) US (71) Applicant: EASTMAN CHEMICAL COMPANY [US/US]; 100 North Eastman Road, Kingsport, TN 37660 (US). (72) Inventors: FORD, Randal, Ray; 3013 Latonia, Longview, TX 75605-1505 (US). STUART, Richard, Kingsley, Jr.; 719 Oakwood Drive, Longview, TX 75604-3112 (US). (74) Agent: GRAVES, Bernard, J., Jr.; P.O. Box 511, Kingsport, TN 37662-5075 (US).		(81) Designated States: BR, CA, CN, CZ, IN, JP, KR, MX, RU, SG, UA, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: PROCESS FOR THE POLYMERIZATION OF OLEFINS (57) Abstract A process for the polymerization of olefins is provided. The process involves contacting at least one olefin with a Ziegler-Natta catalyst in the presence of dinitrogen monoxide in the production of polymeric products having a narrower molecular weight distribution. A process for narrowing molecular weight distribution of polyolefins utilizing dinitrogen monoxide is also provided.		