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(21) International Application Number: PCT/US99/28239 (22) International Filing Date: 30 November 1999 (30.11.99) (30) Priority Data: 09/217,799 22 December 1998 (22.12.98) US (71) Applicant: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventors: HAYES, Richard, Allen; 6309 Milbrook Boulevard, Brentwood, TN 37027 (US). MARKS, David, Neil, 203 Walker Way, Newark, DE 19711 (US). VAN EIJNDHOVEN, Maria de Jesus; 3 Monferrato Court, Bear, DE 19701 (US). (74) Agent: STEVENSON, Robert, B.; 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, MX, SG, 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 HYDROLYSIS OF ADIPONITRILE AND THE PRODUCTION OF NYLON 6,6 UTILIZING LOW CATALYST LEVELS (57) Abstract A process for the hydrolysis of a dinitrile (e.g., adiponitrile) utilizing from 0.1 to 500 mmoles of catalyst (e.g., a mixture of phosphorous acid and calcium hypophosphite) per mole of the dinitrile and in the presence of from 0.01 to 0.5 moles of a dicarboxylic acid cocatalyst (e.g., adipic acid) followed by addition of a diamine (e.g., hexamethylenediamine) and heating to produce polymerization. Such a process is particularly useful in the production of nylon 6,6 having a low BHMT content and improved melt stability.		
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