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(21) International Application Number: PCT/EP99/02802 (22) International Filing Date: 26 April 1999 (26.04.99) (30) Priority Data: 09/072,852 5 May 1998 (05.05.98) US ✓ (71) Applicant (for all designated States except MN): ARCO CHEMICAL TECHNOLOGY L.P. [US/US]; Two Greenville Crossing, Suite 238, 4001 Kennett Pike, Greenville, DE 19807 (US). (71) Applicant (for MN only): LYONDELL CHEMIE TECH- NOLOGIE NEDERLAND B.V. [NL/NL]; Theemsweg 14, Botlek, NL-3197 KM Rotterdam (NL). (72) Inventors: LE-KHAC, Bi; 1210 Birmingham Road, West Chester, PA 19382 (US). WANG, Wei; 250 Beverly Boulevard C-106, Upper Darby, PA 19082 (US). FARAJ, Mahmoud, K.; 3421 West Chester Pike, Newtown Square, PA 19073 (US). (74) Agent: COLMER, Stephen, Gary; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>
(54) Title: ACID-TREATED DOUBLE METAL CYANIDE COMPLEX CATALYSTS		
(57) Abstract The amount of high molecular weight impurity present in a polyether polyol produced by alkoxylation of an active hydrogen-containing initiator and a substantially noncrystalline highly active double metal cyanide complex catalyst may be advantageously lowered by treating the catalyst prior to use in polymerization with a protic acid. Suitable protic acids include phosphoric acid and acetic acid. The higher purity polyether polyols thereby produced are particularly useful in the preparation of slab and molded polyurethane foams, which tend to collapse or become excessively tight when elevated levels of high molecular tail are present in the polyether polyol.		