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(21) International Application Number: PCT/EP99/01604 (22) International Filing Date: 11 March 1999 (11.03.99) (30) Priority Data: 09/039,964 16 March 1998 (16.03.98) 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, 3197 KM Botlek Rotterdam, P.O. Box 7195, NL-3000 HD Rotterdam (NL). (72) Inventors: SENEKER, Stephen; H.C. 83, Box 99C, Sissonville, WV 25320 (US). SHEN, Chin-Chang; 1092 Green Meadow Road, Charleston, WV 25314 (US). (74) Agent: CROPP, John, Anthony, David; 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, 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: PROCESS FOR MAKING CLEAR POLYURETHANE/UREA ELASTOMERS		
(57) Abstract A process for making clear elastomers is disclosed. First, a polyol having a narrow molecular weight distribution ($M_w/M_n < 1.5$) reacts an aromatic diisocyanate at an NCO/OH ratio from about 1.3 to about 3.0 to give a non-viscous isocyanate-terminated prepolymer. A mixture that contains this prepolymer and an aliphatic diisocyanate is then reacted with an aromatic diamine to give a clear elastomer. The elastomers have excellent overall physical and mechanical properties, including resilience greater than 55 %. The elastomers are valuable for in-line skates and other applications for which clarity is important.		