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(21) International Application Number: PCT/US97/01918 (22) International Filing Date: 5 February 1997 (05.02.97) (30) Priority Data: ① 08/634,885 ✓ 19 April 1996 (19.04.96) ✓ US ✓ (71) Applicant (for all designated States except US): ① FOAMEX, L.P. [US/US]; 1000 Columbia Avenue, Linwood, PA 19061 (US). ✓ (72) Inventor; and ① (75) Inventor/Applicant (for US only): TRIOLO, Rocco, P. [US/US]; 2512 Parke Lane, Broomall, PA 19008 (US). ✓ (74) Agent: ROGOWSKI, Patricia, Smink; Connolly & Hutz, 1220 Market Street, P.O. Box 2207, Wilmington, DE 19899-2207 (US).	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, 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, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report. ✓ With amended claims. ✓ 1 PD 1 appln. 1 inv.	
(54) Title: BREATHABLE OPEN CELL URETHANE POLYMERS ✓		
(57) Abstract A breathable or air-permeable, open cell, flexible urethane polymer suitable for use in cushions is formed from a foam-forming composition containing from about 0.5 to 2.0 parts by weight of butyl oleate, based upon 100 parts by weight polyol, under controlled pressure conditions maintained at or, preferably, below atmospheric pressure. The pressure during foaming is maintained in the range of about 0.5 to 1.0 bar, preferably 0.5 to 0.9 bar. Resultant air permeability is unexpectedly significantly increased over urethane polymers of equivalent composition. Other polymer properties are enhanced.		