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(21) International Application Number: PCT/US96/00084 (22) International Filing Date: 11 January 1996 (11.01.96) (30) Priority Data: 08/370,922 10 January 1995 (10.01.95) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: DesMARAIS, Thomas, Allen; 10204 Scull Road, Cincinnati, OH 45252 (US). STONE, Keith, Joseph; 1923 August Boulevard, Fairfield, OH 45014 (US). DYER, John, Collins; 3760 Sherbrooke Drive, Cincinnati, OH 45241 (US). HIRD, Bryn; 8519 Eagle Creek, Cincinnati, OH 45224 (US). GOLDMAN, Stephen, Allen; 1260 Forest Court, Cincinnati, OH 45215 (US). PEACE, Michelle, Renee; 206 East Main Street #2, Mason, OH 45040 (US). SEIDEN, Paul; 2890 Grandin Road, Cincinnati, OH 45208 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, 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, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AZ, BY, KZ, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, 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 <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: ABSORBENT FOAM MATERIALS FOR AQUEOUS FLUIDS MADE FROM HIGH INTERNAL PHASE EMULSIONS HAVING VERY HIGH WATER-TO-OIL RATIOS (57) Abstract Low density collapsed absorbent foams materials that, upon contact with aqueous fluids, in particular urine, can expand and absorb these fluids. These low density foams typically have an expanded thickness from about 6 to about 10 times the thickness of the foams in their collapsed state. These low density foams are made by polymerizing high internal phase emulsions (HIPEs) where the volume to weight ratio of the water phase to the oil phase is in the range of from about 55:1 to about 100:1.		