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(21) International Application Number: PCT/US96/16015 (22) International Filing Date: 4 October 1996 (04.10.96) (30) Priority Data: 60/004,764 4 October 1995 (04.10.95) US (71) Applicant (for all designated States except US): MONSANTO COMPANY [US/US]; 800 N. Lindbergh Boulevard, St. Louis, MO 63167 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): HEITKAMP, Michael, A. [US/US]; 107 Falmouth, Ballwin, MO 63011 (US). STOW, George, C. [US/US]; 6237 Appomattox Drive, Pensacola, FL 32503 (US). (74) Agent: SANDIDGE, Russell, L.; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (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, 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 <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: POROUS POLYMERIC BIOSUPPORTS AND THEIR USE IN THE BIOTREATMENT OF AQUEOUS WASTE STREAMS		
(57) Abstract Porous biosupports for the support of microorganisms which are used in the biotreatment of an aqueous waste stream comprising a polymeric material and, optionally, fiber reinforcement, adsorbent material and/or inorganic filler wherein the biosupport has a specific gravity greater than the specific gravity of water and pores of sufficient diameter to enable microorganisms to readily colonize within the pores, a process for preparing same, and processes for biodegrading an aqueous waste stream containing organic contaminants utilizing the porous biosupports.		