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(21) International Application Number: PCT/US98/07991 (22) International Filing Date: 22 April 1998 (22.04.98) (30) Priority Data: 08/858,859 19 May 1997 (19.05.97) US (71) Applicants: BERNARD TECHNOLOGIES, INC. [US/US]; Suite 1710, 919 North Michigan Avenue, Chicago, IL 60611 (US). SOUTHWEST RESEARCH INSTITUTE [US/US]; 6220 Culebra Road, San Antonio, TX 78228-0510 (US). (72) Inventors: WELLINGHOFF, Stephen, T.; 6220 Culebra Road, San Antonio, TX 78228-0510 (US). BARENBERG, Sum- mer, A.; Suite 1710, 919 North Michigan Avenue, Chicago, IL 60611 (US). DIXON, Hong; 6220 Culebra Road, San Antonio, TX 78228-0510 (US). KAMPA, Joel, J.; 304 In- dustrial Boulevard, P.O. Box Y, Burnett, TX 78611 (US). (74) Agents: PETRILLO, Kathleen, M. et al.; Senniger, Powers, Leavitt & Roedel, 16th floor, One Metropolitan Square, St. Louis, MO 63102 (US).			(81) Designated States: AU, JP, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). 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: SUSTAINED RELEASE BIOCIDAL POWDERS			
(57) Abstract A powder for sustained release of a gas including a hydrophilic core, a hydrophobic layer on an outer surface of the hydrophilic core, and particles in contact with the hydrophobic layer. The hydrophobic layer contains an acid releasing agent. The particles contain an anhydrous material capable of binding with water. The core, the particles, and the hydrophobic layer are substantially free of water, and the core is capable of generating and releasing a gas after hydrolysis of the acid releasing agent.			