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(21) International Application Number: PCT/US99/05862 (22) International Filing Date: 18 March 1999 (18.03.99) (30) Priority Data: 60/078,642 19 March 1998 (19.03.98) US 09/270,636 17 March 1999 (17.03.99) US (71) Applicant: BATTELLE MEMORIAL INSTITUTE [US/US]; 505 King Avenue, Columbus, OH 43201-2693 (US). (72) Inventors: MOOREHEAD, John, S.; 728 Fallside Lane, Westerville, OH 43081 (US). BLANEY, Lynnette, D.; 1824 Hobbes Drive, Hilliard, OH 43026 (US). BROWN, David, H.; 648A Pinyon Drive, Dugway, UT 84022 (US). MESSIER, Pierre, J.; 98 Rue Cochrand, R.R. #1, Lac Masson, Quebec J0T 1L0 (CA). LADEROUTE, Norbert, G.; Apartment #705, 4282 Dorchester Street, Westmount, Quebec H2Z 1N2 (CA). (74) Agents: GOLDSTEIN, Steven, J. et al.; Frost & Jacobs LLP, 2500 PNC Center, 201 E. 5th Street, Cincinnati, OH 45202 (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, 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, ZA, 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>	
(54) Title: COMPOSITION FOR DEACTIVATING CHEMICALLY AND BIOLOGICALLY ACTIVE AGENTS			
(57) Abstract A substance capable of devitalizing hazardous biological agents and deactivating hazardous chemical agents comprising an activated anion exchange resin having a particle size substantially in the range of about 0.1–300 microns, which resin particles have been iodinated by exposure to a sufficient amount of an iodine-substance absorbable by the anion exchange resin such that the resin particles absorb the iodine-substance so as to convert the resin particles into activated resin particles. The iodine-substance may be selected from the group consisting of I₂ (i.e., diatomic iodine), and polyiodide ions having a valence of – 1. The activated resin particles may be placed into contact with the biological or chemical agent as a dry aerosol, by dust coating, or by admixing the particles with a carrier to form a coating.			