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(21) International Application Number: PCT/US98/17982 (22) International Filing Date: 31 August 1998 (31.08.98) (30) Priority Data: 08/920,501 29 August 1997 (29.08.97) US (71) Applicant: REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 21st floor, 300 Lakeside Drive, Oakland, CA 94612-3550 (US). (72) Inventors: CHARYCH, Deborah, H.; 915 Polk Street, Albany, CA 94720 (US). SASAKI, Darryl; 5808 Canyon Vista Drive, N.E., Albuquerque, NM 87111 (US). YAMANAKA, Stacey; 6722 Northcreek Lane, Dallas, TX 75240 (US). (74) Agents: MACKNIGHT, Kamrin, T. et al.; Medlen & Carroll, LLP, Suite 2200, 220 Montgomery Street, San Francisco, CA 94104 (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, IL, 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 (GH, GM, KE, LS, MW, SD, 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> <i>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: SOL-GEL MATRICES FOR DIRECT COLORIMETRIC DETECTION OF ANALYTES (57) Abstract The present invention relates to methods and compositions for the direct detection of analytes using color changes that occur in immobilized biopolymeric material in response to selective binding of analytes to their surface. In particular, the present invention provides methods and compositions related to the encapsulation of biopolymeric material into metal oxide glass using the sol-gel method.		