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(21) International Application Number: PCT/US98/21656 (22) International Filing Date: 13 October 1998 (13.10.98) (30) Priority Data: 08/951,393 16 October 1997 (16.10.97) US (71) Applicant: PHARMACAL BIOTECHNOLOGIES, INC. [US/US]; Suite 107, 31308 Via Colinas, Westlake Village, CA 91362 (US). (72) Inventor: BUDNY, John, A.; Suite 107, 31308 Via Colinas, Westlake Village, CA 91362 (US). (74) Agent: ABRAHAMSON, Colin, P.; Suite 400, 5850 Canoga Avenue, Woodland Hills, CA 91367 (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, 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, ZW, 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. 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: COMPOSITIONS FOR CONTROLLING BACTERIAL COLONIZATION		
(57) Abstract A composition for controlling bacterial growth/colonization is provided. The composition comprises an enzyme, an anchor molecule coupled to the enzyme to form an enzyme-anchor complex, with the anchor being capable of attaching to a substrate proximal to a bacterial colony. The attachment to the substrate permits prolonged retention time of the enzyme-anchor complex where the bacterial colony is present to increase the effectiveness of the complex. The invention is also for a method of controlling colonization of bacterial plaque in the oral cavity, as well as a method of forming a composition for controlling the proliferation of bacterial colonies in the oral cavity.		