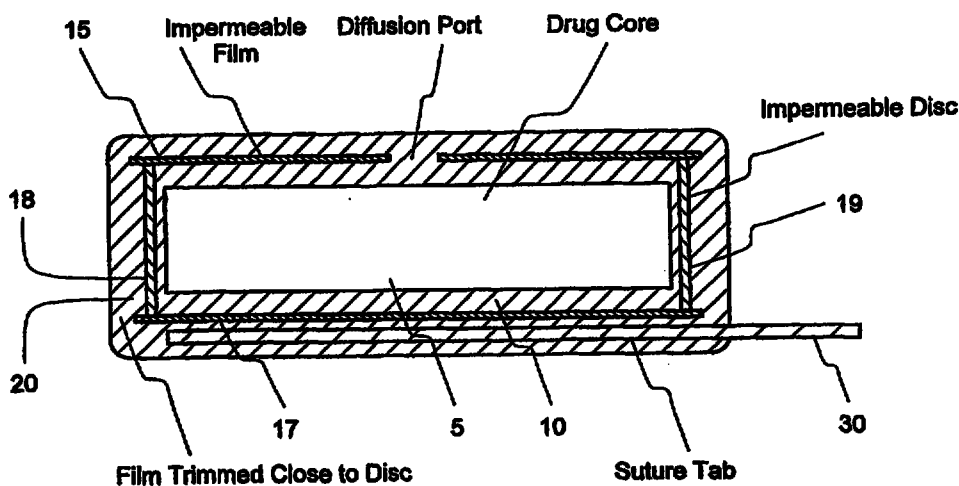




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(21) International Application Number: PCT/US98/17342 (22) International Filing Date: 28 August 1998 (28.08.98) (30) Priority Data: 08/919,221 28 August 1997 (28.08.97) US (71) Applicant: CONTROL DELIVERY SYSTEMS, INC. [US/US]; 86 Rosedale Road, Watertown, MA 02172 (US). (72) Inventors: CHEN, Jianbing; 50 Sandvick Road, Belmont, MA 02478 (US). ASHTON, Paul; 19 Brimmer Street, Boston, MA 02108 (US). (74) Agents: STEPNO, Norman, H. et al.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (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, 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.</i>

(54) Title: SUSTAINED RELEASE DRUG DELIVERY DEVICES**(57) Abstract**

A method and device for treating a mammalian organism to obtain a desired local or systemic physiological or pharmacological effect is provided. The method includes administering a sustained release drug delivery system to a mammalian organism in need of such treatment at an area wherein release of an effective agent is desired and allowing the effective agent to pass through the device in a controlled manner. The device includes an inner core or reservoir comprising the effective agent; a first coating layer, which is permeable to the passage of the effective agent; a second coating layer, which is essentially impermeable to the passage of the effective agent; and a third coating layer, which is permeable to the passage of the effective agent. The first coating layer covers at least a portion of the inner core. The second coating layer covers at least a portion of the first coating layer and inner core; however, at least a small portion of the first coating layer or inner core is not coated with the second coating layer. The second coating layer includes an impermeable film and at least one impermeable disc. The third coating layer essentially completely covers the second coating layer and the uncoated portion of the first coating layer or inner core.