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(21) International Application Number: PCT/US97/15965 (22) International Filing Date: 9 September 1997 (09.09.97) (30) Priority Data: 08/718,643 17 September 1996 (17.09.96) US (71) Applicant: AMERICAN BIOPHYSICS CORPORATION [US/US]; 2240 South County Trail, East Greenwich, RI 02818 (US). (72) Inventors: MILLER, Mark, H.; 385 Tunk Hill Road, Hope, RI 02831 (US). WIGTON, Bruce, E.; 46 Pennsylvania Avenue, Jamestown, RI 02835 (US). LONNGREN, Kenneth; 358 Robin Hollow Road, West Greenwich, RI 02817 (US). (74) Agent: WAINER, Jonathan, J.; Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804 (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, HU, 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, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: COUNTERFLOW INSECT TRAP**(57) Abstract**

A device (10) for attracting and capturing or otherwise disabling insects includes a fan mechanism structured and arranged to provide an outflow (50) of air out of the device to the atmosphere, and to draw an inflow (48) of air directed counter the outflow from the atmosphere into the device, the outflow being substantially within the inflow outside of the device. The flow mechanism is also structured and arranged to provide an insect attractant (52) in the outflow. The device can include mounting structure (62) being arranged to position the device with the outflow directed in a substantially downward direction. The outflow attracts insects to the vicinity of the device, and the inflow urges the insects to enter the device. An insect disabling structure (36) is arranged with the flow mechanism to capture or otherwise disable insects being urged into the device by the inflow.

