(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 November 2006 (16.11.2006)

PCT

(10) International Publication Number
WO 2006/121980 A2

(51) International Patent Classification:
A61M 15/00 (2006.01) *A61M 16/10* (2006.01)

(21) International Application Number:
PCT/US2006/017640

(22) International Filing Date: 5 May 2006 (05.05.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/123,887 6 May 2005 (06.05.2005) US

(71) Applicant *(for all designated States except US)*: **ANECARE LABORATORIES, INC.** [US/US]; 2355 South 1070 West, Suite D, Salt Lake City, Utah 84119 (US).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **ORR, Joseph, A.** [US/US]; 2645 Sackett Drive, Park City, Utah 84098 (US).

(74) Agents: **POWER, Brick, G.** et al.; Traskbritt, 230 South 500 East, Suite 300, P.O. Box 2550, Salt Lake City, Utah 84110-2550 (US).

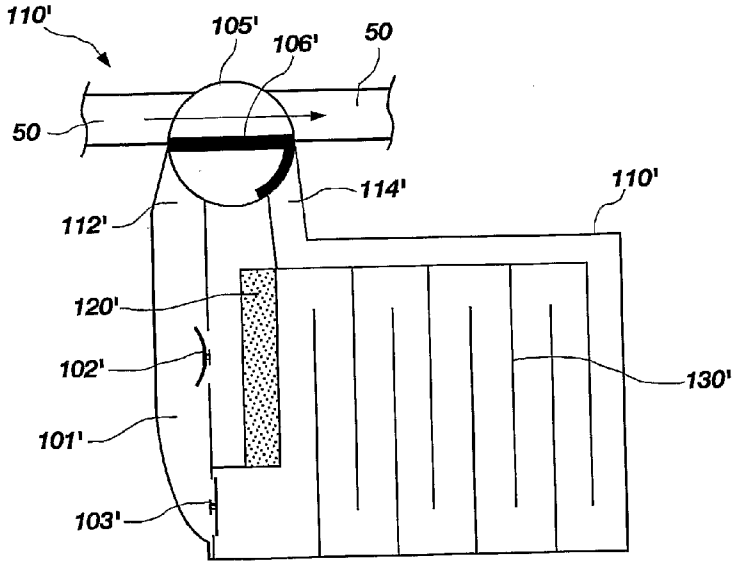
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) **Title:** APPARATUS AND TECHNIQUES FOR REDUCING THE EFFECTS OF GENERAL ANESTHETICS



(57) **Abstract:** An apparatus for reversing inhaled anesthesia includes a filter for removing one or more anesthetic agents from gases passing therethrough, as well as a component for elevating CO_2 levels in gases that are to be inhaled by a subject. The CO_2 level-elevating component facilitates an increase in the ventilation of the subject without resulting in a significant decrease in the subject's P_aCO_2 level and, thus, a decrease in the rate at which blood flows through the subject's brain. A method of reversing the effects of inhaled anesthesia includes increasing the rate of ventilation of an anesthetized subject while causing the subject to inhale gases with elevated amounts of CO_2 and while filtering anesthetic agents from such gases.

WO 2006/121980 A2