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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 December 2004 (02.12.2004)

PCT

(10) International Publication Number
WO 2004/103459 A3

(51) International Patent Classification[7]: A61N 1/08, 1/10, 1/18, 1/20, 1/32, 1/34, 1/40

(21) International Application Number: PCT/US2004/015818

(22) International Filing Date: 17 May 2004 (17.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/471,104 16 May 2003 (16.05.2003) US

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(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, 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, IT, LU, 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).

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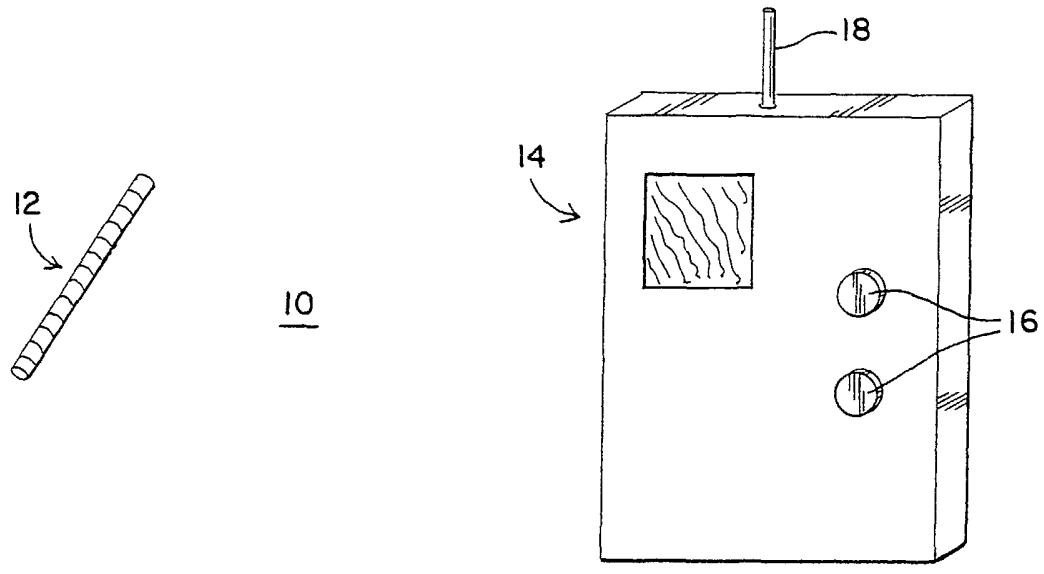
(54) Title: RESPIRATORY CONTROL BY MEANS OF NEURO-ELECTRICAL CODED SIGNALS



(57) Abstract: A method and device for respiratory control. The method comprises selecting neuro-electrical coded signals from a storage area that are representative of body organ function. The selected neuro-electrical coded signals are then transmitted to a treatment member, which is in direct contact with the body, and which then broadcasts the neuro-electrical coded signals to a specific body respiration nerve or organ to modulate the body organ functioning. A control module is provided for transmission to the treatment member. The control module contains the neuro-electrical coded signals which are selected and transmitted to the treatment member, and computer storage can be provided for greater storage capacity and manipulation of the neuro-electrical coded signals.

WO 2004/103459 A3

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
31 March 2005

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.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/15818

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61N 1/08, 1/10, 1/18, 1/20, 1/32, 1/34, 1/40

US CL : 607/42, 73, 68, 62, 48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 607/42, 73, 68, 62, 48

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P --- Y, P	US 6,651,652 B1 (WARD) 25 November 2003 (25.11.2003), See the entire document.	1, 5 and 10 --- 2-4 and 6-9
Y	US 4,832,033 A (MAHER et al.) 23 May 1989 (23.05.1989), See the entire document.	2-3 and 6-9
A, P	US 6,633,779 B1 (SCHULER ET AL.) 14 October 2003 (14.10.2003), See the entire document.	1-10
X --- Y	WO 00/00245 A1 (WARD) 06 January 2000 (06.01.2000), See the entire document.	1, 5 and 10 --- 2-4 and 6-0

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Date of the actual completion of the international search

20 October 2004 (20.10.2004)

Date of mailing of the international search report

16 FEB 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
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Form PCT/ISA/210 (second sheet) (January 2004)