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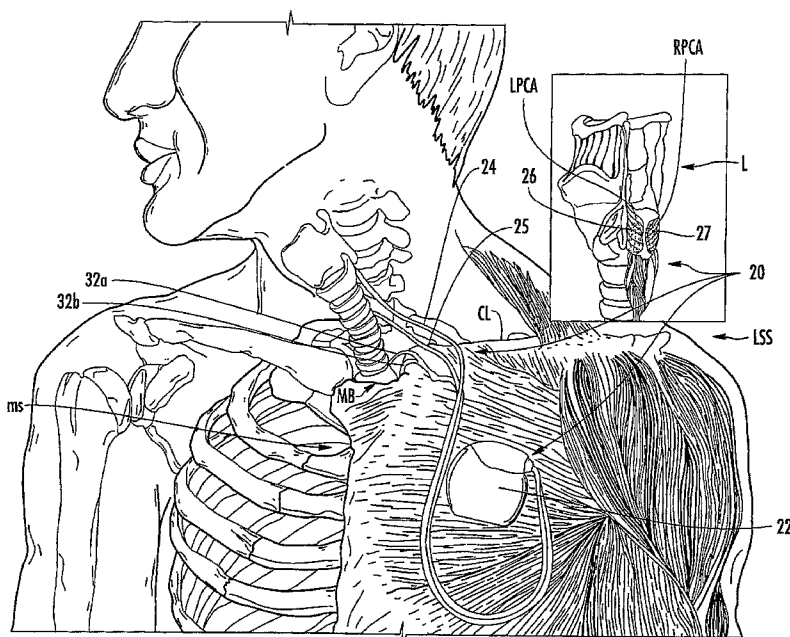
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(54) Title: RESPIRATORY TRIGGERED, BILATERAL LARYNGEAL STIMULATOR TO RESTORE NORMAL VENTILATION IN VOCAL FOLD PARALYSIS



(57) Abstract: A laryngeal stimulation system including a sensor for detecting an occurrence of a respiratory signal in a subject and a laryngeal stimulator adapted for coupling to a laryngeal muscle and operable to stimulate the laryngeal muscle in response to the sensor detecting the occurrence of the respiratory signal is provided. A method for laryngeal stimulation including detecting an occurrence of a respiratory signal in a subject and then stimulating a laryngeal muscle in response to detecting the occurrence of the respiratory signal is also provided.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/10784

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): A61N 1/00 (2007.01)

USPC: 607/42, 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)

IPC(8): A61N 1/00 (2007.01)

USPC: 607/42, 48

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

USPC: 607/2, 42, 48, 50

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

WEST (USPT,USOC,EPAB,JPAB; PLUR) and Google Patents (<http://www.google.com/patents>). Please see Form 300 for a more comprehensive list of actual search terms and searches performed on WEST. However, an example of a search performed on Google Patents would have included search terms such as "laryngeal stimulate nerve."

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	"The Biocompatibility, Integrity, and Positional Stability of an Injectable Microstimulator for Reanimation of the Paralyzed Larynx" (ZEALEAR ET AL.), August 2001 (08.08.2001): page 890, para 1, 2, 5; page 891, para. 5.	32-33, 39-47, 53-54 ----- 17-18, 20-22, 34-38, 48-52  1-5, 19, 28, 30
X --- Y	US 6,572,543 B1 (CHRISTOPHERSON ET AL.) 3 June 2003 (03.06.2003): col 36, ln 24; col 2, ln 34; col 1, ln 27; col 2, ln 39; col 8, ln 60-62; col 1, ln 65-67; col 13, ln 44; col 4, ln 48	6-18, 20-27, 29, 31, 37, 48-52
Y	US 2004/0215290 A1 (ZEALEAR) 28 October 2004 (28.10.2004): para [0086]	6-10, 34-37
Y	US 6,030,350 A (JIANG ET AL.) 29 February 2000 (29.02.2000): col 10, ln 27; col 10, ln 15-18; col 4, ln 6	11, 38
Y	US 5,897,579 A (SANDERS) 27 April 1999 (27.04.1999): col 3, ln 30; col 4, ln 4; col 4, ln 49	12
Y	"Reanimation of the Paralyzed Human Larynx with an Implantable Electrical Stimulation Device" (ZEALEAR ET AL.), July 2003 (07.2003): page 1, para. 1; page 2, para. 5	13-16, 23, 25-27, 29, 31, 49-51
Y	US 6,205,361 B1 (KUZMAR ET AL.) 20 March 2001 (20.03.2001): col 1, ln 10-11; col 4, ln 2-3	21-22

Further documents are listed in the continuation of Box C.

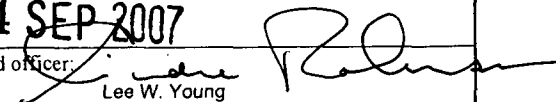
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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