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(71) Applicant (for all designated States except US):
IMTHERA MEDICAL, INC. [US/US]; 4946 Smith Canyon Ct., San Diego, CA 92130 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LIMA, Marcelo, G.** [US/US]; 4946 Smith Canyon Ct., San Diego, CA 92130 (US). **CRAIG, Stanley, R. Jr.** [US/US]; 4946 Smith Canyon Ct., San Diego, CA 92130 (US).

(74) Agents: **SMYTH, Robert** et al.; Morgan Lewis & Bockius LLP, 1111 Pennsylvania Avenue, NW, Washington, D.C. 20004 (US).

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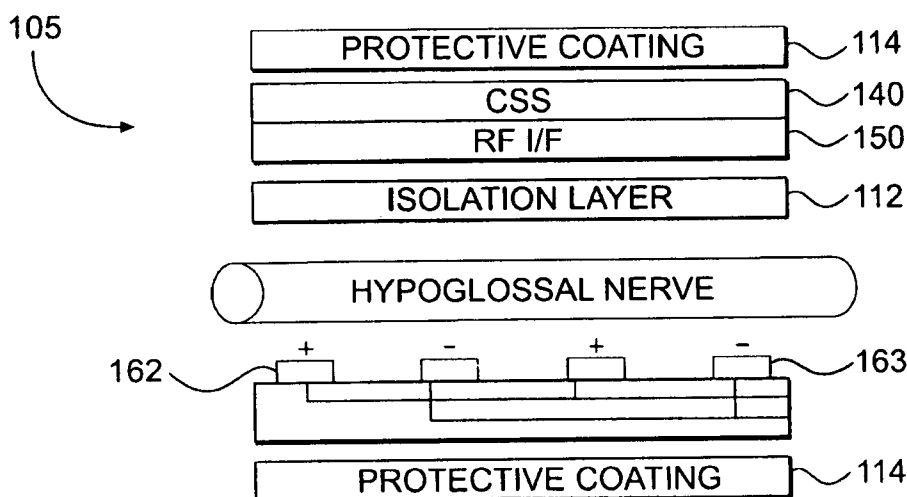
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN RFID BASED APPARATUS, SYSTEM, AND METHOD FOR THERAPEUTIC TREATMENT OF A PATIENT



(57) Abstract: Provided is an implantable RFID-enabled micro-electronic neurostimulator system comprising (a) an internal subsystem having (i) an array of electrodes, where at least one electrode pair contacts a nerve; (ii) a multiplexer; (iii) digital to analog signal converter; and (iv) a RFID based control and stimulation chip; and (b) an external subsystem having (i) a controller; and (ii) an RP interface.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/04514

A. CLASSIFICATION OF SUBJECT MATTER

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

USPC - 607/2, 607/60

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 - 607/2, 607/60

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

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

PubWEST, Google Patents, Google Scholar

Search Terms: RFID, sleep, apnea, incontinence, seizure, arthritis, implant, medical, controller, electrode, stimulation, ear, patch, watch, flexible

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,871,512 A (HEMMING et al.) 16 February 1999 (16.02.1999) entire document	1-27
Y	US 2005/0258242 A1 (ZAREMBO) 24 November 2005 (24.11.2005) entire document	1-27
Y	US 6,572,543 B1 (CHRISTOPHERSON et al.) 03 June 2003 (03.06.2003) entire document	1-27
Y	US 6,594,370 B1 (ANDERSON) 15 July 2003 (15.07.2003) col 1 ln 37-38, col 3 ln 66-67, col 4 ln 1-2, 22-28, and 62-67	7-11
Y	US 5,483,969 A (TESTERMAN et al.) 16 January 1996 (16.01.1996) entire document	16-17
Y	US 6,240,316 B1 (RICHMOND et al.) 29 May 2001 (29.05.2001) col 4 ln 5-8	19

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Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
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Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774