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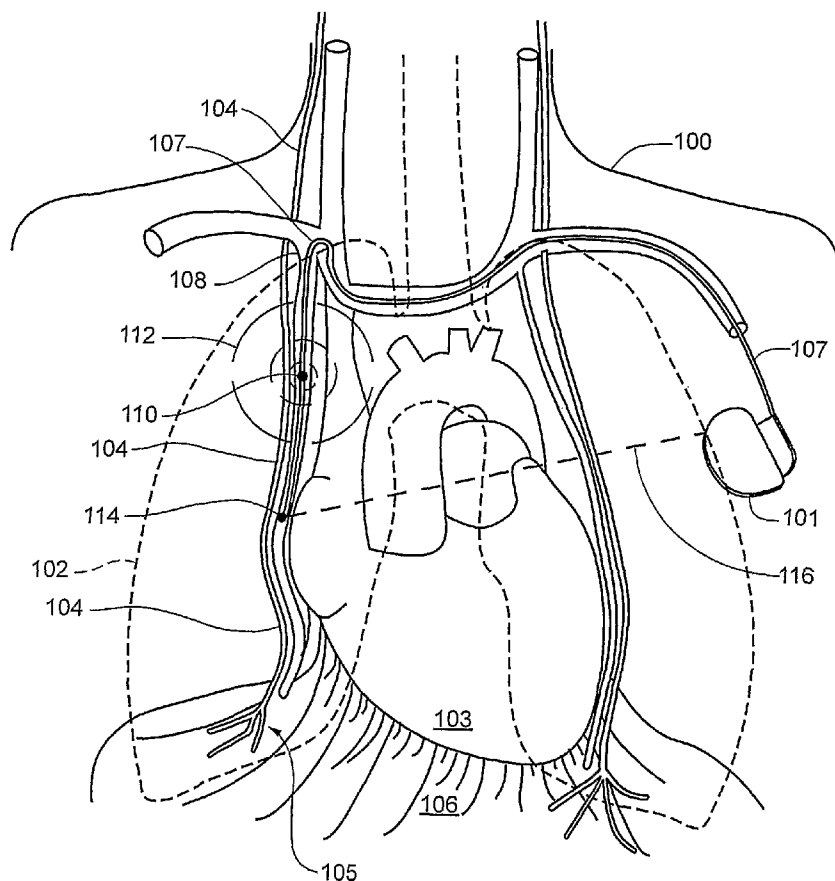
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(54) Title: SYSTEM AND METHOD TO MODULATE PHRENIC NERVE TO PREVENT SLEEP APNEA



(57) Abstract: An implantable medical device for treating breathing disorders such as central sleep apnea wherein stimulation is provided to the phrenic never through a transvenous lead system with the stimulation beginning after inspiration to extend the duration of a breath and to hold the diaphragm in a contracted condition.

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International application No.

PCT/US 06/44788

## A. CLASSIFICATION OF SUBJECT MATTER

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

USPC: 607/42, 116

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)

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

USPC: 600/377; 607/2,6

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

Electronic data base: USPTO, Google/Patents, Scholar.Google, WEST (PGPGB, USPT, EPAB, JPAB)

Search Terms Used: inspiration electrode "Phrenic Nerve" and "Sleep Apnea"

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/0240240 A1 (PARK et al.) 27 Oct 2005 (27.10.2005) Abstract, para [0003] and [0024].	1-10

 Further documents are listed in the continuation of Box C.


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