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(54) Title: THERAPEUTIC RENAL NEUROMODULATION FOR TREATING DYSPNEA AND ASSOCIATED SYSTEMS
AND METHODS

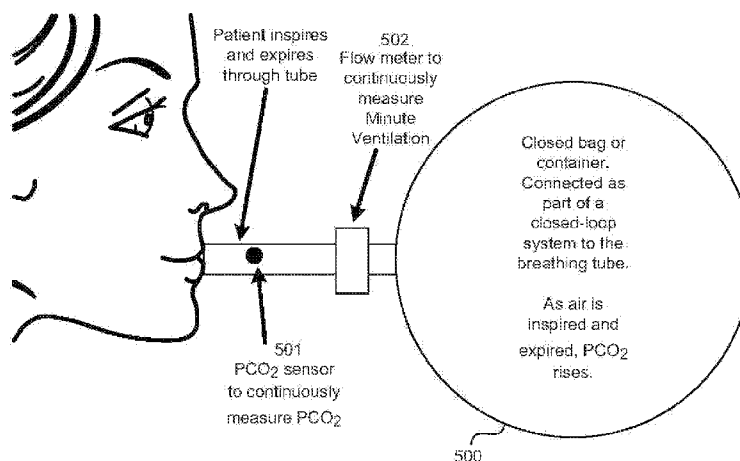


FIG. 5

(57) Abstract: Methods for treating dyspnea with therapeutic renal neuromodulation and associated system and methods are disclosed herein. One aspect of the present technology, for example, is directed to methods that block, reduce, and/or inhibit renal sympathetic nerve activity to achieve a reduction in central sympathetic tone. Renal sympathetic nerve activity may be altered or modulated along the afferent and/or efferent pathway. The achieved reduction in central sympathetic tone may carry therapeutic benefits for patients with dyspnea.



INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61N 1/365 (2012.01)

USPC - 600/454

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 1/362, 1/365; A61M 16/00, 16/22; G01N 33/00, 33/48, 33/483, 33/497 (2012.01)

USPC - 128/204.22, 204.23; 422/50, 83, 92; 600/311, 348, 453, 454; 607/9, 17, 20, 23, 62

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)

MicroPatent, Google Patent, Public PatFT and AppFT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008/0086185 A1 (AMURTHUR et al) 10 April 2008 (10.04.2008) entire document	1, 5, 13, 14
Y		2-4, 6-12
Y	US 6,951,217 B2 (BERTHON-JONES) 04 October 2005 (04.10.2005) entire document	2-4, 6, 19-23
Y	US 2008/0077187 A1 (LEVIN et al) 27 March 2008 (27.03.2008) entire document	7-12
Y	US 7,622,304 B2 (TONNESSEN et al) 24 November 2009 (24.11.2009) entire document	15-23
Y	US 2010/0222851 A1 (DEEM et al) 02 September 2010 (02.09.2010) entire document	15-18

☐ Further documents are listed in the continuation of Box C.

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