METHOD AND SYSTEM FOR TREATING ACUTE HEART FAILURE BY NEUROMODULATION

Methods and systems of treating acute heart failure by applying a therapy signal at least one sympathetic cardiopulmonary fiber surrounding the pulmonary trunk that affects heart contractility more than heart rate. Methods and systems also include adjusting the signal to effectuate treatment.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A01N 1/00; A01N 1/362 (2008.01)
USPC - 607/116, 607/9 600/17

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)

USPC- A01N 1/00; A01N 1/362 (2008.01)

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

USPC: 607/116, 115, 48, 2, 6, 9, 600/17 16 (text search)

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

PubWEST(USPT,PGPB,EPAB,JPAB); DialogPRO(Engineering/Life Science Research); Google Scholar

Search Terms: sympathetic, neuromodulation, heart, inotropic, pulmonary artery nerves, cardiac contractility

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
</table>

Further documents are listed in the continuation of Box C.

D

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

4 February 2008 (04 02.2008)

Date of mailing of the international search report

10 IV I 2008

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer:

Lee W Young

PCT HelpDesk 571-272-4300
PCT O/S 571-272-7774