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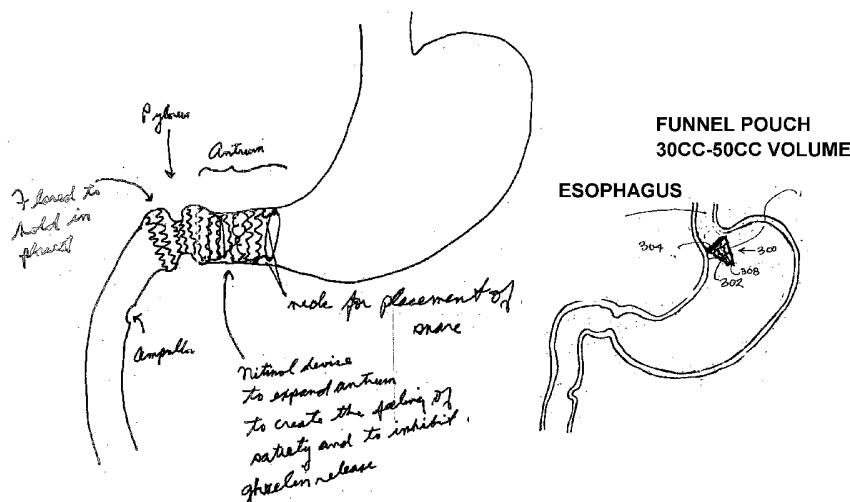
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(54) Title: SATIATION DEVICES AND METHODS



(57) Abstract: A device for inducing weight loss in a patient includes a tubular prosthesis self-expandable from a collapsed position in which the prosthesis has a first diameter to an expanded position in which the prosthesis has a second, larger, diameter. In a method for inducing weight loss, the prosthesis is placed in the collapsed position and inserted into a stomach of a patient. The prosthesis is allowed to self-expand from the collapsed position to the expanded position and into contact with the walls of the stomach, where it induces feelings of satiety and/or inhibits modulation of satiety-controlling factors such as Ghrelin.



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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.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 02/27177

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61F5/00 A61F2/04

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 7 A61F

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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 820 584 A (CRABB JERRY A) 13 October 1998 (1998-10-13) figures 2,3 column 3, line 37 -column 5, line 67	57
Y	---	58-66
Y	WO 00 32137 A (WILSON COOK MEDICAL INC) 8 June 2000 (2000-06-08) page 4, line 2 -page 11, line 30	58-66
X	US 5 306 300 A (BERRY H LEE) 26 April 1994 (1994-04-26) figures 4-6 column 3, line 18 -column 4, line 48	57
A	US 5 653 743 A (MARTIN ERIC C) 5 August 1997 (1997-08-05) column 2, line 49 -column 3, line 7 --- -/--	57-66

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° 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 document 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

7 February 2003

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 02/27177

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 315 509 A (SMIT JULIE A) 16 February 1982 (1982-02-16) column 4, line 54 -column 20, line 28 ---	57-66
A	US 5 514 176 A (BOSLEY JR RODNEY W) 7 May 1996 (1996-05-07) the whole document ---	57-66
X	WO 00 12027 A (ENDONETICS INC) 9 March 2000 (2000-03-09) figures 1-5 page 3, line 31 -page 14, line 17 ---	75-84, 86
X	US 5 861 036 A (GODIN NORMAN) 19 January 1999 (1999-01-19) figures 1-3 column 2, line 24 -column 3, line 23 ---	75
A	---	85-87
A	US 5 314 473 A (GODIN NORMAN J) 24 May 1994 (1994-05-24) column 3, line 43 -column 5, line 10 -----	75-87

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 02/27177

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 1-56, 67-74, 88-109
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 57-66

A prosthesis including an antral portion, an intestinal portion and an intermediate portion positionable within the pyloric sphincter.

2. Claims: 75-87

An apparatus comprising a tubular pouch with a proximal opening positionable in the esophagus and a distal opening positionable into the stomach.

The present application lacks unity within the meaning of Rule 13 of the P.C.T for the following reasons:

The document US5820584 cited in our search report discloses a prosthesis including an antral portion, an intestinal portion and an intermediate portion positionable within the pyloric sphincter.

Beyond this prior art, the special technical features (in the meaning of Rule 13.2 of the P.C.T) left in the independent claims 57, 75 of the application are:

In independent claim 57: none.

In independent claim 75: An apparatus comprising a tubular pouch with a proximal opening positionable in the esophagus and a distal opening positionable into the stomach.

No same or correspondent special technical feature can be found between claim 57 and claim 75.

There is therefore no technical relationship involving same or corresponding special technical features between claim 57 and claim 75.

The inventions defined in the above-mentioned claims are not linked by a common inventive concept.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/27177

Information on patent family members

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5820584	A	13-10-1998	NONE	
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