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(54) **Devices and methods for treatment of obesity**

(57) Devices, methods for treatment of obesity, as well as instruments and tools used in placing, adjusting and maintaining devices for treatment of obesity are disclosed. Various embodiments of devices that are implanted extra-gastrically are provided. Various embodiments of devices that are implanted intra-gastrically are provided. Methods include laparoscopic, percutaneous and/or trans-oral methods. Alternatively, devices describe can generally also be implanted by open surgical procedures. A device configured for extra-gastric implantation in the abdominal cavity may comprise an anchor configured to fix said device to an intra-abdominal structure other than the stomach.

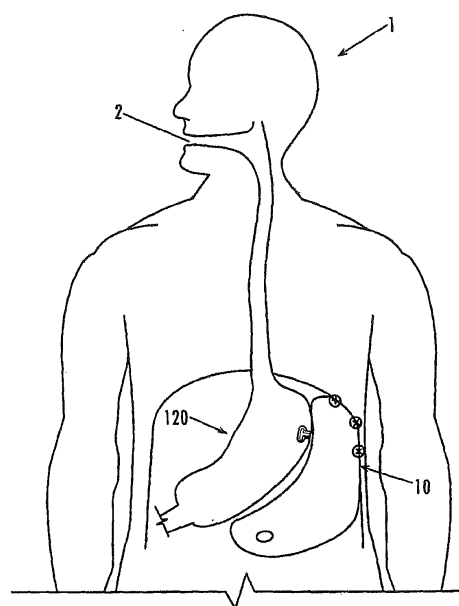


Fig. 40W



EUROPEAN SEARCH REPORT

Application Number
EP 10 16 1737

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A	WO 02/35980 A2 (SATIETY INC [US]; TORRE ROGER DE [US]; SCOTT J STEPHEN [US]; HOWELL TH) 10 May 2002 (2002-05-10) * page 23, line 21 - page 25, line 20; figures 21,22,24 *	2,7,10	
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			A61F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 February 2012	Examiner Dennler, Samuel
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)



EUROPEAN SEARCH REPORT

Application Number
EP 10 16 1737

DOCUMENTS CONSIDERED TO BE RELEVANT			
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 February 2012	Examiner Dennler, Samuel
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1, 2, 10

a system according to claim 1, comprising in particular an expandable device configured for extragastric implantation and anchoring, and a delivery apparatus for transgastrically delivering said device through the mouth, the esophagus and through an opening in the stomach wall, wherein the anchor of the expandable device comprises specific features for achieving an efficient anchoring of the device;

2. claims: 3-9

a system according to claim 1, comprising in particular an expandable device configured for extragastric implantation and anchoring, and a delivery apparatus for transgastrically delivering said device through the mouth, the esophagus and through an opening in the stomach wall, wherein the expandable body member of the device comprises specific structural features for facilitating and controlling its expansion upon delivery.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 16 1737

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

08-02-2012

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专利名称(译)	用于治疗肥胖症的装置和方法		
公开(公告)号	EP2401991A3	公开(公告)日	2012-03-21
申请号	EP2010161737	申请日	2007-07-24
[标]申请(专利权)人(译)	VIBRYNT		
申请(专利权)人(译)	VIBRYNT INC.		
当前申请(专利权)人(译)	VIBRYNT INC.		
[标]发明人	MAKOWER JOSHUA KIM STEVEN SHIU BRIAN K UEMURA SHUJI ACOSTA PABLO G		
发明人	MAKOWER, JOSHUA KIM, STEVEN SHIU, BRIAN K. UEMURA, SHUJI ACOSTA, PABLO G.		
IPC分类号	A61F5/00 A61B17/34		
CPC分类号	A61F5/0073 A61B5/036 A61B5/04884 A61B5/416 A61B5/42 A61B17/00234 A61B17/072 A61B17/07207 A61B17/07292 A61B17/115 A61B17/1285 A61B17/3468 A61B2017/00278 A61B2017/00942 A61B2017/12018 A61B2017/3484 A61F5/003 A61F5/0033 A61N1/05 A61N1/36007		
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其他公开文献	EP2401991A2		
外部链接	Espacenet		

摘要(译)

公开了用于治疗肥胖症的装置，方法，以及用于放置，调节和维持用于治疗肥胖症的装置的器械和工具。提供了在胃肠外植入的装置的各种实施例。提供了在胃内植入的装置的各种实施例。方法包括腹腔镜，经皮和/或经口腔方法。或者，所描述的装置通常也可以通过开放式外科手术植入。配置用于在腹腔中进行胃外植入的装置可以包括锚，该锚构造造成将所述装置固定到胃以外的腹腔内结构。

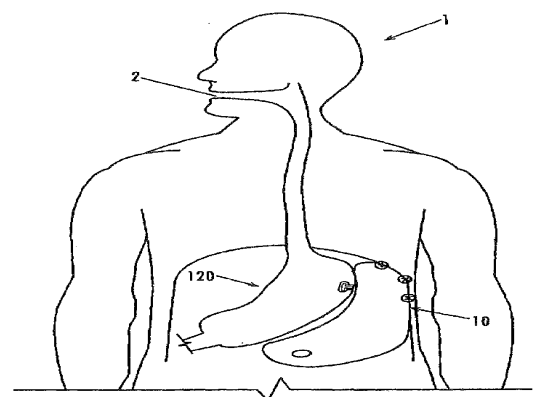


Fig. 40W