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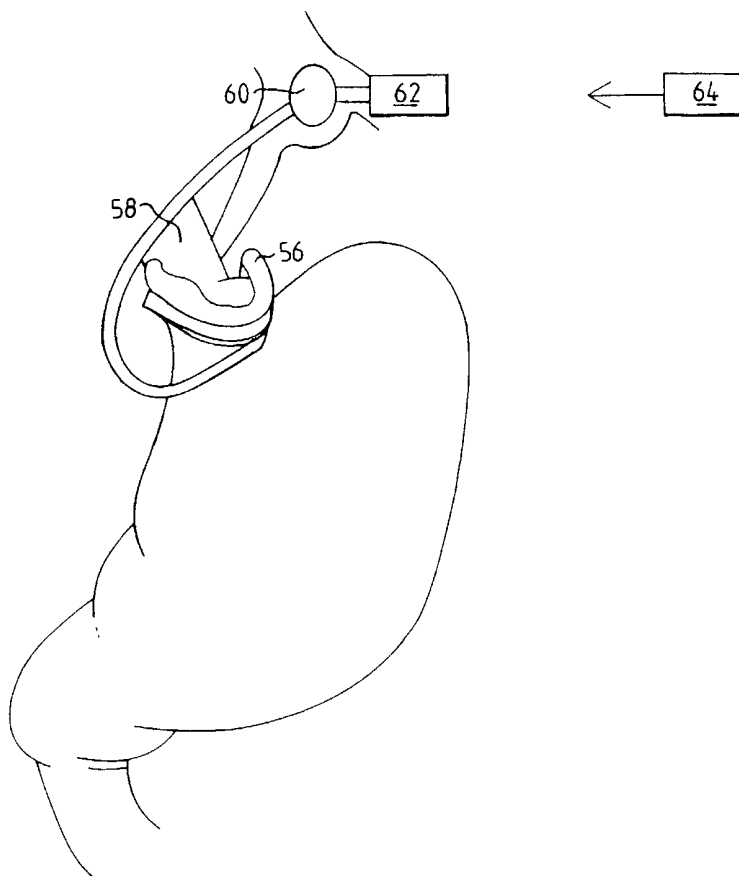
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(54) Title: CONTROLLED HEARTBURN AND REFLUX DISEASE TREATMENT APPARATUS



(57) Abstract: A heartburn and reflux disease treatment apparatus comprises a restriction device (56) implantable in a patient for engaging the stomach close to the cardia or, which is preferred, engaging the esophagus (58) to form a restricted food passageway in the stomach or esophagus. The restriction device is operable by an implantable operation device (60) to change the restriction of the food passageway. A control device (62 and 64) is provided for controlling a source of energy, which may or may not be implanted, from outside the patient's body, to release energy for use in connection with the operation of the restriction device, i.e. to power the operation device.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 01/00229

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61F 5/00 // A61B 17/12

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)

IPC7: A61F, A61B

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

SE,DK,FI,NO classes as above

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5938669 A (KLAIBER ET AL), 17 August 1999 (17.08.99), abstract --	1-141
A	US 5042084 A (DALY), 20 August 1991 (20.08.91), figure 4 --	1-141
A	US 4271827 A (ANGELCHIK), 9 June 1981 (09.06.81), abstract --	1-141
P,X	WO 00/15158 A1 (SOFRADIM PRODUCTION), 23 March 2000 (23.03.00), abstract --	1-141

 Further documents are listed in the continuation of Box C. See patent family annex.

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"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

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"&" document member of the same patent family

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 00/09048 A1 (FORSELL PETER), 24 February 2000 (24.02.00), abstract --	1-141
E,X	WO 01/12078 A1 (BLOMBERG AXEL), 22 February 2001 (22.02.01), abstract -- -----	1-141

INTERNATIONAL SEARCH REPORT
Information on patent family members

28/05/01

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Patent document cited in search report			Publication date	Patent family member(s)		Publication date
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				WO	9103887 A	21/03/91
US	4271827	A	09/06/81	NONE		
WO	00/15158	A1	23/03/00	NONE		
WO	00/09048	A1	24/02/00	NONE		
WO	01/12078	A1	22/02/01	NONE		