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[Continued on next page]

(54) Title: DEVICES AND METHODS FOR PYLORIC ANCHORING

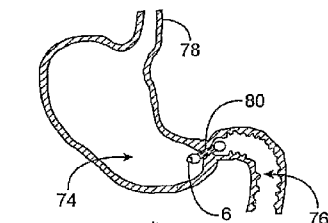


FIG. 10A

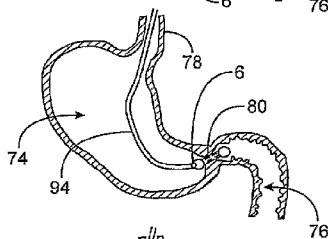


FIG. 10B

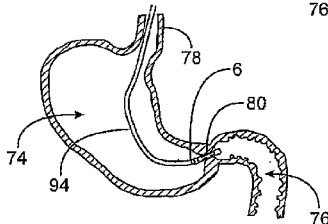


FIG. 10C

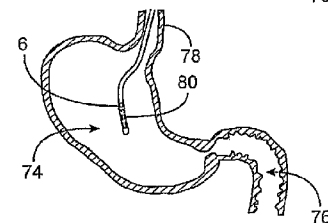


FIG. 10D

(57) Abstract: A device for performing one or more functions in a gastrointestinal tract of a patient includes an anchoring member and at least one actuator, sensor, or combination of both coupled with the anchoring device. The anchoring device (80) is adapted to maintain at least part of the device within a pyloric portion of the patient's stomach and to intermittently engage, without directly attaching to, stomach tissue. Actuators perform any suitable function, such as transmitting energy to tissue, acting as a sleeve to reduce nutrient absorption, occupying space in the stomach, eluting a drug and/or the like. Sensors may be adapted to sense any suitable patient characteristic within the patient's gastrointestinal tract, such as pH, temperature, bile content, nutrient content, fats, sugars, alcohol, opiates, drugs, analytes, electrolytes and/or hemoglobin.

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USPC: 623/23.64,23.65,23.71;606/151,157,37

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)
U.S. : 623/23.64,23.65,23.71;606/151,157,37

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6675809 (Stack) 13 January 2004 (13.01.2004) column 3, lines 55-62; column 4, line 9; column 7, lines 33-35	1-22,24-86
Y	US Pub. 2002/01655589 (Imran) 7 November 2002 (07.11.2002), paragraph 69	23
A	US 5820884 (Crabb) 13 October 1998 (13.10.1998)	1-86

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"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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