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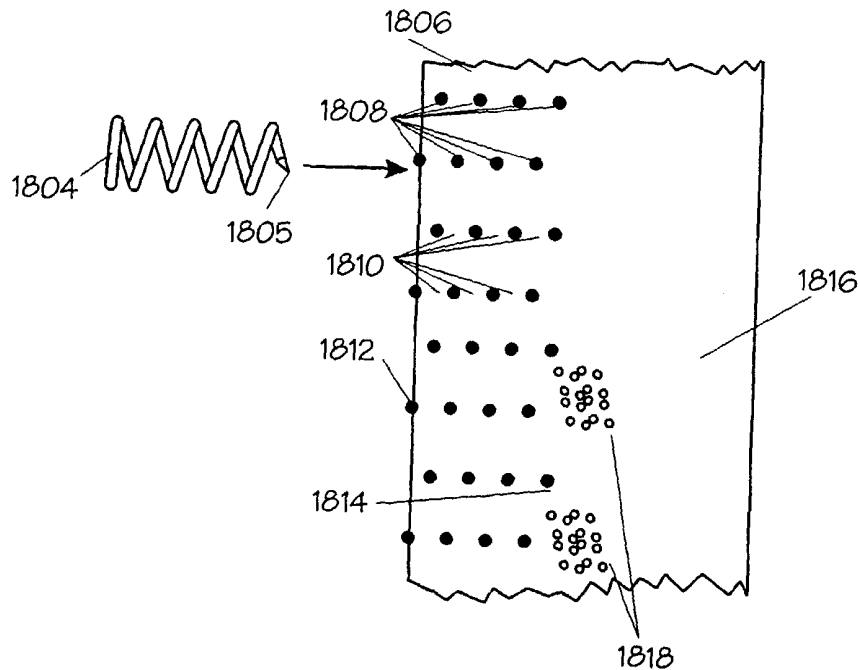
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For two-letter codes and other abbreviations, refer to the "Guid-  
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(54) Title: DRUG DELIVERY CATHETERS THAT ATTACH TO TISSUE AND METHODS FOR THEIR USE



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(57) Abstract: The helix (1804), which may be delivered to the endocardial spaces of the heart, for example the left ventricle wall (1816) is used to create helical pathways of damage within the heart tissue. The self-sealing helical pathway reduces the risk of life threatening pericardial tamponade and greatly reduces the potential of therapeutic agents (1818) from leaking into the heart chamber.

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/28301

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 17/20

US CL : 606/41

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. : Please See Extra Sheet.

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.
Y,P	US 6,102,887 A (ALTMAN) 15 August 2000, see entire document.	1-22
Y,P	US 6,086,582 A (ALTMAN et al) 11 July 2000, see entire document.	1-22
Y	US 5,551,427 A (ALTMAN) 03 September 1996, see entire document.	1-22

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	*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
*A* document defining the general state of the art which is not considered to be of particular relevance	*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
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*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)	* & * document member of the same patent family
*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	

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**B. FIELDS SEARCHED**

Minimum documentation searched

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