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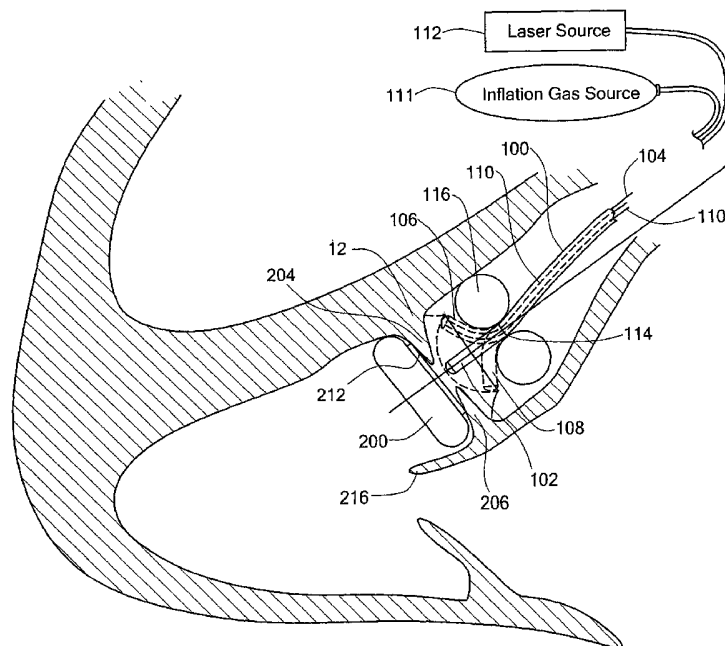
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[Continued on next page]

(54) Title: ENDOVASCULAR TISSUE REMOVAL DEVICE



(57) Abstract: An endovascular tissue removal system (20) including an expandable mechanism (200) introduceable to the ventricular side of a valve (12) to support the leaflets of the valve in a closed position and a tissue removal device (40) advanceable to the leaflets and configured to resect the leaflets as they are supported by the expandable mechanism (200).

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**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US04/19786

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(7) : A61B 18/18  
 US CL : 606/7  
 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. : 606/7

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	US 5,370,685 A (Stevens) 06 December 1994 (06.12.1994), see the entire document.	1-29
Y	US 6,423,055 B1 (Farr et al.) 23 July 2002 (23.07.2002), see the entire document.	1-29

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

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"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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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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