Title: VASCULAR COMPLIANCE DEVICE AND METHOD OF USE

Abstract: The present invention modifies the compliance of a vascular system by providing an elastic member, capable of reducing peak pressure and blood flow from the heart. These embodiments further allow for reduction of peak systolic pressure while increasing diastolic pressure and flow. In one embodiment, the device consists of an anchoring stent, having an elastic member with a passage for blood flow. This device is implanted percutaneously into a desired vessel location. The elastic member begins to "give" when blood pressure reaches a desired level. Additionally, the spring constant of the elastic member may be externally modified to change the compliance. By precisely modifying the properties of the elastic member, normal arterial compliance may be restored.

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INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : A61F 2/06
   US CL : 623/1.15; 606/191,198
   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. : 623/1.15; 606/191,198

   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

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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</table>

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

Date of the actual completion of the international search

Date of mailing of the international search report
10 Aug 2004

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