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(54) Title: METHODS AND DEVICES FOR DEPLOYING AN IMPLANT IN CURVED ANATOMY

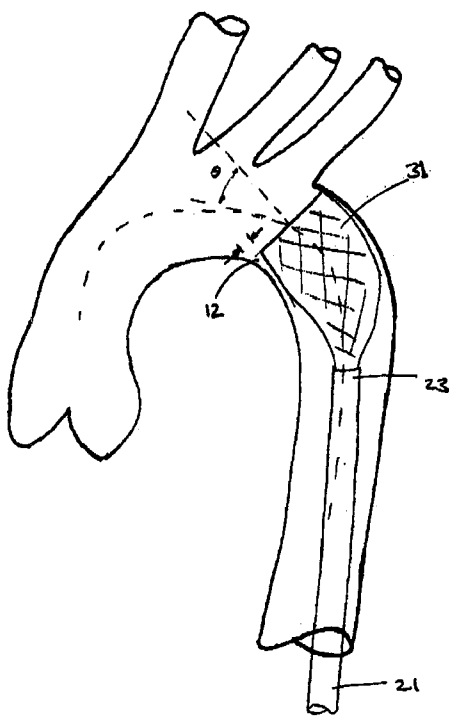


Fig 1B

(57) Abstract: Methods and devices for deploying an endoluminal implant in a curved vessel. The devices include steerable catheters having a control member that extends to the distal end and operates to bend the catheter. In other cases, the stent includes a longitudinal adjustment member attached near the leading edge of the stent and operates to shorten or lengthen the stent and thereby induce a curvature. The stent is carried in a distal region of the catheter that is advanced into a curved region of a vessel. The catheter is bent and/or the stent is curved using the longitudinal adjustment member, and the stent is deployed to achieve uniform wall contact with the endoluminal surface of the vessel at the lesser curvature.

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**B. FIELDS SEARCHED**  
 Minimum documentation searched (classification system followed by classification symbols)  
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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)  
 MicroPatent

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/0155366 A1 (LADUCA et al) 13 July 2006 (13.07.2006) entire document	1-6, 9-35, 38-54, 57-80, 83-91, 94-96
Y		7-8, 36-37, 55-56, 81-82, 92-93
Y	US 2006/0142836 A1 (HARTLEY et al) 29 June 2006 (29.06.2006) entire document	7, 36, 55, 81, 92
Y	US 2006/0161241 A1 (BARBUT et al) 20 July 2006 (20.07.2006) entire document	8, 37, 56, 82, 93

Further documents are listed in the continuation of Box C.

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