

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number
WO 2004/026112 A3

(51) International Patent Classification⁷: A61F 2/06

(21) International Application Number:
PCT/US2003/029795

(22) International Filing Date:
17 September 2003 (17.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/412,122 17 September 2002 (17.09.2002) US
60/473,988 28 May 2003 (28.05.2003) US

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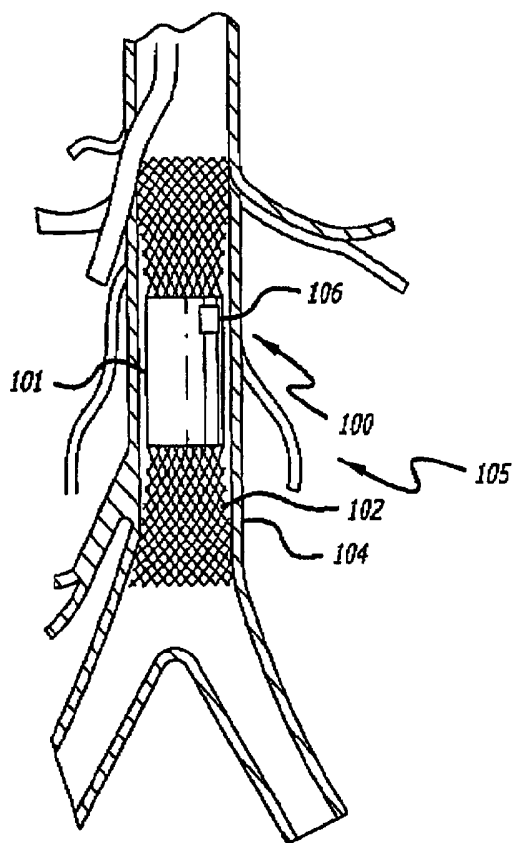
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(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: VASCULAR COMPLIANCE DEVICE AND METHOD OF USE



(57) 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 compliancy. By precisely modifying the properties of the elastic member, normal arterial compliancy may be restored.

WO 2004/026112 A3



(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
28 October 2004

(15) Information about Correction:

Previous Correction:

see PCT Gazette No. 25/2004 of 17 June 2004, Section II

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29795

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

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,004,347 A (McNamara et al) 21 December 1999 (21.12.1999), See figures 5-13.	1-55

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

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Date of the actual completion of the international search 26 July 2004 (26.07.2004)	Date of mailing of the international search report 10 AUG 2004
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