

Title (en)  
IMPROVED ENDOPROSTHESES AND METHODS OF MANUFACTURE

Title (de)  
VERBESSERTE ENDOPROTHESEN UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)  
ENDOPROTHESES AMELIOREES ET PROCEDES DE FABRICATION

Publication  
**EP 1567099 A4 20110330 (EN)**

Application  
**EP 03779518 A 20031110**

Priority  

- US 0335951 W 20031110
- US 42673702 P 20021115
- US 34262203 A 20030115

Abstract (en)  
[origin: WO2004045450A2] Improved endoprostheses comprising a delivery configuration and a deployed configuration and methods of manufacture are disclosed. Some embodiments according to the invention comprise woven tubular structures and means for maintaining said structures in their expanded configurations. In one embodiment of the invention, locking elements (12, 14) disposed on one or more fibers (15, 17) maintain said endoprosthesis in its deployed configuration. In alternative embodiments, one or more axial members may maintain said endoprosthesis in its deployed configuration. In yet additional alternative embodiments, a chemical bond or thermocouple may maintain said endoprosthesis in its deployed configuration. Some embodiments according to the invention may comprise erodible material.

IPC 1-7  
**A61F 3/00**

IPC 8 full level  
**A61F 2/88** (2006.01); **A61F 2/90** (2013.01); **A61F 2/91** (2013.01); **A61F 2/915** (2013.01); **A61F 2/00** (2006.01)

CPC (source: EP)  
**A61F 2/90** (2013.01); **A61F 2/91** (2013.01); **A61F 2/915** (2013.01); **A61F 2002/91541** (2013.01); **A61F 2002/91558** (2013.01); **A61F 2002/91591** (2013.01); **A61F 2220/005** (2013.01); **A61F 2220/0058** (2013.01); **A61F 2250/0014** (2013.01); **A61F 2250/0068** (2013.01)

Citation (search report)  

- [XY] US 5741293 A 19980421 - WIJAY BANDULA [US]
- [XI] WO 9853760 A2 19981203 - YADAV JAY S [US]
- [X] US 5984957 A 19991116 - LAPTEWICZ JR JOSEPH E [US], et al
- [XI] US 5591199 A 19970107 - PORTER CHRISTOPHER H [US], et al
- [X] US 2002111671 A1 20020815 - STENZEL ERIC B [IE]
- [XY] WO 02053066 A1 20020711 - ADVANCED CARDIOVASCULAR SYSTEM [US]
- [XP] WO 03049640 A2 20030619 - SCIMED LIFE SYSTEMS INC [US]
- [A] US 2002107563 A1 20020808 - SHANLEY JOHN F [US]
- See references of WO 2004045450A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004045450 A2 20040603; WO 2004045450 A3 20041007**; AU 2003285194 A1 20040615; AU 2003285194 B2 20070809; CA 2503388 A1 20040603; CA 2503388 C 20120515; EP 1567099 A2 20050831; EP 1567099 A4 20110330; JP 2006506209 A 20060223

DOCDB simple family (application)  
**US 0335951 W 20031110**; AU 2003285194 A 20031110; CA 2503388 A 20031110; EP 03779518 A 20031110; JP 2004570378 A 20031110