

Title (en)
CARDIAC VALVE PROCEDURE METHODS AND DEVICES

Title (de)
HERZKLAPPENVERFAHREN UND VORRICHTUNGEN

Title (fr)
METHODES ET DISPOSITIFS POUR PRATIQUER DES SOINS DANS LE DOMAINE DES VALVULES CARDIAQUES

Publication
EP 1583581 A4 20080910 (EN)

Application
EP 03789776 A 20031113

Priority
• US 0336639 W 20031113
• US 42587702 P 20021113

Abstract (en)
[origin: WO2004043293A2] Devices and methods for performing intravascular procedures without cardiac bypass include embodiments of temporary filter devices, temporary valves, and prosthetic valves. The temporary filter devices have a cannula which provides access for surgical tools for effecting repair of cardiac valves. The cannula may have filters which prevent embolitic material from entering the coronary arteries and aorta. The valve devices may also have a cannula for insertion of the valve into the aorta. The valve devices expand in the aorta to occupy the entire flow path of the vessel and operate to prevent blood flow and to permit flow through the valve. The prosthetic valves include valve fixation devices which secure the prosthetic valve to the wall of the vessel. The prosthetic valves are introduced into the vascular system in a compressed state, advanced to the site of implantation, and expanded and secured to the vessel wall.

IPC 1-7
A61M 29/00

IPC 8 full level
A61F 2/01 (2006.01); **A61F 2/24** (2006.01); **A61M 29/00** (2006.01); **A61B 17/12** (2006.01)

IPC 8 main group level
A61F (2006.01)

CPC (source: EP US)
A61B 17/1204 (2013.01 - EP); **A61B 17/12109** (2013.01 - EP); **A61B 17/12136** (2013.01 - EP); **A61F 2/013** (2013.01 - EP US); **A61F 2/2427** (2013.01 - EP); **A61F 2002/018** (2013.01 - EP); **A61F 2230/0006** (2013.01 - EP); **A61F 2230/0067** (2013.01 - EP); **A61F 2230/008** (2013.01 - EP); **A61F 2250/0059** (2013.01 - EP)

Citation (search report)
• [Y] WO 0247539 A2 20020620 - VIACOR INC [US]
• [Y] WO 9915223 A1 19990401 - CARDEON CORP [US], et al
• [A] US 5827237 A 19981027 - MACOVIAK JOHN A [US], et al
• See references of WO 2004043293A2

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 2004043293 A2 20040527; WO 2004043293 A3 20050217; AU 2003294293 A1 20040603; AU 2003294293 A8 20040603; EP 1583581 A2 20051012; EP 1583581 A4 20080910; EP 2345380 A2 20110720; EP 2345380 A3 20110803; EP 2345380 B1 20180110; JP 2006507862 A 20060309; JP 4568116 B2 20101027

DOCDB simple family (application)
US 0336639 W 20031113; AU 2003294293 A 20031113; EP 03789776 A 20031113; EP 11002111 A 20031113; JP 2004552242 A 20031113