

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	SECURITY AGREEMENT
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CONVEYING PARTY DATA

Name	Execution Date
Manan Medical Products, Inc.	03/23/2006

RECEIVING PARTY DATA

Name:	Credit Suisse, as Collateral Agent
Street Address:	Eleven Madison Avenue
City:	New York
State/Country:	NEW YORK
Postal Code:	10010

PROPERTY NUMBERS Total: 13

Property Type	Number
Patent Number:	5284156
Patent Number:	5476101
Patent Number:	5507298
Patent Number:	5730724
Patent Number:	6095967
Patent Number:	6063037
Patent Number:	6673060
Patent Number:	6302852
Patent Number:	6312394
Patent Number:	6554778
Application Number:	10356008
Application Number:	10425356
Application Number:	10978120

CORRESPONDENCE DATA

OP \$520.00 5284156

Fax Number: (714)755-8290
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Email: ipdocket@lw.com
Correspondent Name: Latham & Watkins LLP
Address Line 1: 650 Town Center Drive
Address Line 2: Suite 2000
Address Line 4: Costa Mesa, CALIFORNIA 92626

ATTORNEY DOCKET NUMBER:

026325-0017

NAME OF SUBMITTER:

Rhonda DeLeon

Total Attachments: 14

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Patent Security Agreement

Patent Security Agreement, dated as of March 23, 2006 (the "Patent Security Agreement"), by ANGIOTECH PHARMACEUTICALS (US), INC., ANGIOTECH PHARMACEUTICALS, INC., AFMEDICA, INC., ANGIOTECH BIOCOATINGS CORP., NEUCOLL, INC., SURGICAL SPECIALTIES CORPORATION, SURGICAL SPECIALTIES PUERTO RICO, INC., MANAN MEDICAL PRODUCTS, INC. and MEDICAL DEVICE TECHNOLOGIES, INC., (individually, a "Grantor", and, collectively, the "Grantors"), in favor of CREDIT SUISSE, in its capacity as administrative agent and collateral agent pursuant to the Credit Agreement (in such capacity, the "Collateral Agent").

WITNESSETH:

WHEREAS, the Grantors are party to a U.S. Security Agreement dated as of March 23, 2006 (the "Security Agreement"), made by Angiotech Pharmaceuticals (US), Inc., a Washington corporation (the "U.S. Borrower"), and certain of its Affiliates (including the Grantors), in favor of the Collateral Agent pursuant to which the Grantors are required to execute and deliver this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Collateral Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Grantors hereby agree with the Collateral Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. Each Grantor hereby pledges and grants to the Collateral Agent for the benefit of the Secured Parties (which pledge and grant are and shall be deemed to be one and the same pledge and grant as the pledge and grant set forth in the Security Agreement) a security interest in and to all of its right, title and interest in, to and under all the following Collateral of such Grantor:

- (a) Patents and patent applications listed on Schedule I attached hereto; and
- (b) all Receivables and Proceeds of any and all of the foregoing (other than Excluded Assets) ((a) and (b) collectively, the "Patents").

SECTION 3. Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Collateral Agent pursuant to the Security Agreement and Grantors hereby acknowledge and affirm that the rights and remedies of the Collateral Agent with respect to the security interest in the Patents made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control unless the Collateral Agent shall otherwise determine.

SECTION 4. Termination. Upon the payment in full of the Obligations and termination of the Security Agreement, the Collateral Agent shall execute, acknowledge, and deliver to the Grantors an instrument in writing in recordable form releasing the collateral pledge, grant, assignment, lien and security interest in the Patents under this Patent Security Agreement.

SECTION 5. Applicable Law. This Patent Security Agreement and the rights and obligations of the parties hereunder shall be governed by, and shall be construed and enforced in accordance with, the laws of the State of New York.

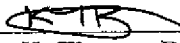
SECTION 6. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts.

[signature page follows]


IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,


ANGIOTECH PHARMACEUTICALS (US), INC.

By: 
Name: K. Thomas Bailey
Title: Vice President, Business Development


ANGIOTECH PHARMACEUTICALS, INC.

By: 
Name: K. Thomas Bailey
Title: Chief Financial Officer

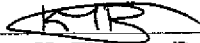
AFMEDICA, INC.

By: 
Name: K. Thomas Bailey
Title: Vice President, Business Development


ANGIOTECH BIOCOATINGS CORP.

By: 
Name: K. Thomas Bailey
Title: Vice President, Business Development

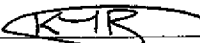
NEUCOLL, INC.

By: 
Name: K. Thomas Bailey
Title: Vice President, Business Development

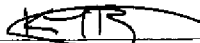
SURGICAL SPECIALTIES CORPORATION

By: 
Name: K. Thomas Bailey
Title: President and Treasurer

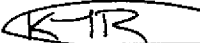
SURGICAL SPECIALTIES PUERTO RICO, INC.

By: 
Name: K. Thomas Bailey
Title: President and Treasurer

MANAN MEDICAL PRODUCTS, INC.


By: 
Name: K. Thomas Bailey
Title: President and Treasurer

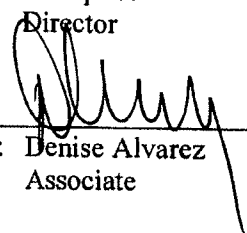
MEDICAL DEVICE TECHNOLOGIES, INC.

By: 
Name: K. Thomas Bailey
Title: President and Treasurer

Accepted and Agreed:

CREDIT SUISSE, CAYMAN ISLANDS BRANCH
as Collateral Agent

By: 
Name: Phillip Ho
Title: Director

By: 
Name: Denise Alvarez
Title: Associate

(Signature Page for U.S. Patent Security Agreement)

SCHEDULE I
to
PATENT SECURITY AGREEMENT
PATENT REGISTRATIONS AND PATENT APPLICATIONS

U.S. PATENTS

AMIH Entities

MANAN MEDICAL PRODUCTS, INC.

MANAN MEDICAL PRODUCTS, INC. Title	Application No. Filing Date	Patent No. Issue Date
Automatic Tissue Sampling Apparatus	07/753,602 08/30/91	5,284,156 02/08/94
Automatic Tissue Sampling Apparatus	08/033,808 03/19/93	5,476,101 12/19/95
Forward-Fired Automatic Tissue Sampling Apparatus	08/311,507 09/23/94	5,507,298 04/16/96
Drainage Catheter Apparatus	08/564,383 11/24/95	5,730,724 03/24/98
Isotope Seeding System That Releases Radioactive Seeds for Treatment of Cancerous Cells	09/047,715 03/25/98	6,095,967 08/01/00
Bone Biopsy Apparatus [Bone marrow biopsy needle]	09/137,854 08/21/98	6,063,037 05/16/00
Drainage catheter and method for forming same	09/557,665 04/25/00	6,673,060 01/06/04
Bone Marrow Biopsy Device	09/557,815 04/25/00	6,302,852 10/16/01
Bone Marrow Biopsy Device	09/677,819 09/29/00	6,312,394 11/06/01
Biopsy Device with Removable Handle	09/770,987 01/26/01	6,554,778 04/29/03
Integrated Biopsy Needle Assembly	10/356,008 01/31/03	
Needle Tip Protector	10/425,356 04/29/03	
Forward-Fired Automatic Tissue Sampling Apparatus with Safety Lock	10/978,120	

MEDICAL DEVICE TECHNOLOGIES, INC.

MEDICAL DEVICE TECHNOLOGIES, INC. Title	Application No. Filing Date	Patent No. Issue Date
Localization Needle Assembly	07/028,609 03/20/87	4,799,495 01/24/89
Localization Needle Assembly with Reinforced Needle Structure	07/317,607 03/01/89	4,986,279 01/22/91
Disposable Soft Tissue Biopsy Apparatus	07/440,647 11/24/89	5,036,860 08/06/91
Spacer Clip for Use with Biopsy Needles	07/692,007 04/26/91	5,092,870 03/03/92
Combined Biopsy Stylet and Biopsy Cannula	29/024,405 06/14/94	D369,858 05/14/96
Biopsy Instrument with Handle and Needle Set	08/669,039 06/24/96	5,752,923 05/19/98
Biopsy Needle Set	29/056,120 06/24/96	D403,405 12/29/98
Biopsy Needle Handle	09/076,181 05/12/98	6,283,925 09/04/01
Biopsy Needle & Surgical Instrument	09/114,509 07/13/98	6,110,129 08/29/00
Automated Biopsy Needle Handle	09/132,941 08/11/98	6,083,176 07/04/00
Reusable Automated Biopsy Needle Handle	09/170,893 10/13/98	6,106,484 08/22/00
Biopsy Needle & Surgical Instrument (First Divisional)	09/572,418 05/17/00	6,328,701 12/11/01
Flexible Guide Wire with Improved Mounting Arrangement for Coil Spring Tip, Jeffrey S. Hawkins, Case 3	162,756	N/A

SURGICAL SPECIALTIES CORPORATION

SURGICAL SPECIALTIES CORPORATION Title	Application No. Filing Date	Patent No. Issue Date
Eye Protector	07/163,957 03/03/88	4,862,902 09/05/89
Rubinfeld Stromal Puncture Method	07/787,799 11/04/91	5,199,445 04/06/93
Method and Apparatus to Mark an Incision	10/834,508 04/29/04	
Surgical Knife Blade with Hollow Bevel	10/942,437	
Apparatus and Method for Treating Presbyopia and Other Eye Conditions	10/999,567	
Apparatus and Method for Treating Presbyopia and Other Eye Conditions	11/248,409	
Apparatus and Method for In Vitro Storage of a Cornea	11/259,516	

SURGICAL SPECIALTIES PUERTO RICO, INC.

SURGICAL SPECIALTIES PUERTO RICO, INC. Title	Application No. Filing Date	Patent No. Issue Date
Surgical Knife Blade and Method of Performing Cataract Surgery Utilizing a Surgical Knife Blade	07/769,389 10/01/91	5,217,476 06/08/93
Surgical Scalpel	07/876,266 04/30/92	5,207,696 05/04/93
Surgical knife blade for making sutureless incisions in the eye and methods therefore	07/958,259 10/08/92	5,370,652 12/06/94

Angiotech Entities

AFMEDICA, INC.

AFMEDICA, INC. Title	Application No. Filing Date	Patent No. Issue Date
Surgically implanted devices having reduced scar tissue formation	09/772,693 01/31/01	6,534,693 03/18/03
Surgically implanted devices having reduced scar tissue formation	10/351,207 01/24/03	
Compositions and methods for reducing scar tissue formation	10/431,701 05/07/03	
Devices and methods for reducing scar tissue formation	10/449,162 05/30/03	
Combination drug therapy for reducing scar tissue formation	10/887,272 07/08/04	
Surgically implanted devices having reduced scar tissue formation	11/084,948 03/21/05	
Devices and methods for reducing scar tissue formation	10/072,177 02/11/02	
Combination drug therapy for reducing scar tissue formation	11/176,713	

ANGIOTECH PHARMACEUTICALS, INC.

ANGIOTECH PHARMACEUTICALS, INC. Title	Application No. Filing Date	Patent No. Issue Date
Anti-angiogenic compositions and methods of use	08/472,413 06/07/95	5,886,026 03/23/99
Anti-angiogenic compositions and methods of use	09/294,458 04/19/98	6,506,411 01/14/03
Anti-angiogenic compositions and methods of use	09/925,220 08/08/01	6,544,544 04/08/03
Anti-angiogenic compositions and methods of use	10/112,921 03/28/02	6,846,841 01/25/05
Stent grafts with bioactive coatings	10/862,019 06/04/04	
Anti-angiogenic compositions and methods of use	10/959,349 10/07/04	
Anti-angiogenic compositions and methods of use	10/959,398 10/07/04	
Anti-angiogenic compositions and methods of use	08/478,914 06/07/95	5,994,341* 11/30/99
Anti-angiogenic compositions and methods of use	08/478,203 06/07/95	5,716,981* 02/10/98
Anti-angiogenic compositions and methods of use	10/962,578* 10/13/04	
Anti-angiogenic compositions and methods of use	11/151,399*	
Anti-angiogenic compositions and methods of use	11/207,021* 08/19/05	
Anti-angiogenic compositions and methods of use	11/206,993* 08/19/05	
Anti-angiogenic compositions and methods of use	11/207,059* 08/19/05	
Anti-angiogenic compositions and methods of use	11/206,779* 08/19/05	
Anti-angiogenic compositions and methods of use	11/207,058* 08/19/05	
Anti-angiogenic compositions and methods of use	11/332,170*	
Anti-angiogenic compositions and methods of use	08/486,867* 06/07/95	

ANGIOTECH PHARMACEUTICALS (US), INC.

ANGIOTECH PHARMACEUTICALS (US), INC. Title	Application No. Filing Date	Patent No. Issue Date
Collagen-polymer conjugates	07/922,541 07/30/92	5,328,955 07/12/94
Collagen-synthetic polymer matrices using a multiple step reaction	08/236,769 05/02/94	5,475,052 12/12/95
Polymer conjugates ophthalmic devices comprising collagen-polymer conjugates	08/478,510 06/07/95	5,550,188 08/27/96
Collagen-synthetic polymer matrices using a multiple step reaction	08/780,470 01/08/97	5,800,541 09/01/98
Method of preparing crosslinked biomaterial compositions for use in tissue augmentation	08/440,274 05/12/95	5,527,856 06/18/96
Biocompatible adhesive compositions	08/573,801 12/18/95	5,936,035 08/10/99
Biocompatible adhesive compositions	08/853,496 05/08/97	5,744,545 04/28/98
Method of preventing formation of adhesions following surgery	08/853,045 05/06/97	5,786,421 07/28/98
Composition and method for treatment of dermal inflammation	07/327,488 03/23/99	4,959,205 09/25/90
Collagen-based injectable drug delivery system and its use	08/537,073 09/29/95	5,807,581 09/15/98
Anti-adhesion films and compositions for medical use	08/403,360 03/14/95	5,580,923 12/03/96
Method of controlling structure stability of collagen fibers produced from solutions or dispersions treated with sodium hydroxide for infectious agent deactivation	08/274,673 07/13/94	5,616,689 04/01/97
Production of human recombinant collagen in the milk of transgenic animals	08/183,648 01/18/94	5,667,839 09/16/97
Production of human recombinant collagen in the milk of transgenic animals	08/485,194 06/07/95	5,895,833 04/20/99
Production of human recombinant collagen in the milk of transgenic animals	08/473,465 06/07/95	5,962,648 10/05/99
Production of human recombinant collagen in the milk of transgenic animals	09/232,740 01/15/99	6,111,165 08/29/00
Mutated recombinant collagens	08/278,774 07/22/94	6,653,450 11/25/03
Injectable or implantable biomaterials for filling or blocking lumens and voids of the body	08/574,050 12/18/95	5,752,974 05/19/98
Prion inactivation in connective tissue materials	08/431,950 05/01/95	5,756,678 05/26/98
Affinity bound collagen matrices for the delivery of biologically active agents	08/405,320 03/16/95	5,693,341 12/02/97
Expression of procollagen in yeast	09/120,561 07/22/98	6,472,171 10/29/02
Methods for the production of gelatin and full-length triple helical collagen in recombinant cells	09/289,578 04/09/99	6,428,978 08/06/02

ANGIOTECH PHARMACEUTICALS (US), INC. Title	Application No. Filing Date	Patent No. Issue Date
Recombinant gelatin and full-length triple helical collagen	09/585,887 05/31/00	6,413,742 07/02/02
Ecarin prothrombin protease and methods	09/608,790 06/30/00	6,413,737 07/02/02
Apparatuses, methods and compositions for closing tissue puncture openings	09/578,814 05/24/00	6,482,179 11/19/02
Collagen-polymer matrices with differential biodegradability	09/199,139 11/24/98	6,110,484 08/29/00
Collagen-polymer matrices with differential biodegradability	09/596,183 06/16/00	6,277,394 08/21/01
Surgical adhesive material	07/855,921 03/23/92	5,290,552 03/01/94
Compositions containing thrombin and microfibrillar nanometer collagen, and methods for preparation and use thereof	09/099,126 06/17/98	6,096,309 08/01/00
Compositions containing thrombin and microfibrillar nanometer collagen, and methods for preparation and use thereof	09/436,903 11/09/99	6,280,727 08/28/01
Method for sterile syringe packaging and handling	08/886,957 07/02/97	5,997,811 12/07/99
Production of collagen in the milk of transgenic mammals	08/482,173 06/07/95	6,713,662 03/30/04
Collagen wound healing matrices and process for their production	07/213,726 06/30/88	5,024,841 06/18/91
Processes for producing collagen matrixes and methods of using same	07/630,299 12/19/90	5,110,604 05/05/92
collagen wound healing matrices and process for their production	07/801,732 12/03/91	5,219,576 06/15/93
collagen wound healing matrices and process for their production	07/286,303 12/16/88	4,950,483 08/21/90
dehydrated collagen-polymer strings	07/984,197 12/02/92	5,308,889 05/03/94
collagen-polymer tubes for use in vascular surgery	07/985,680 12/02/92	5,292,802 03/08/94
glycosaminoglycan-Synthetic polymer conjugates	08/146,843 11/03/93	5,510,418 04/23/96
method of augmenting tissue with collagen-polymer conjugates	08/110,577 08/23/93	5,306,500 04/26/94
method of augmenting tissue with collagen-polymer conjugates	08/177,578 01/05/94	5,376,375 12/27/94
collagen-polymer conjugates	08/198,128 02/17/94	5,413,791 05/09/95
method of preparing collagen-polymer conjugates	08/292,415 08/18/94	5,523,348 06/04/96
collagen-polymer conjugates containing an ether linkage	08/368,874 01/05/95	5,446,091 08/29/95

ANGIOTECH PHARMACEUTICALS (US), INC. Title	Application No. Filing Date	Patent No. Issue Date
implants coated with collagen-polymer conjugates	08/427,576 04/24/95	5,543,441 08/06/95
glycosaminoglycan-Synthetic Polymer conjugates	08/434,958 05/04/95	5,510,121 04/23/96
glycosaminoglycan-Synthetic Polymer conjugates	08/433,656 05/04/95	5,470,911 11/28/95
glycosaminoglycan-Synthetic Polymer conjugates	08/434,725 05/04/95	5,476,666 12/19/95
method of preparing crosslinked biomaterial compositions for use in tissue augmentation	08/287,549 08/08/94	5,550,187 08/27/96
injectable ceramic compositions and methods for their preparation and use	08/101,333 08/02/93	5,352,715 10/04/94
injectable ceramic compositions and methods for their preparation and use	07/920,412 07/27/92	5,204,382 04/20/93
crosslinkable biomaterial compositions containing hydrophobic and hydrophilic crosslinking	09/344,230 06/25/99	6,962,979 11/08/05
Compositions and methods of using a transient colorant	10/412,710 04/10/03	
Production of human recombinant collagen in the milk of transgenic animals	10/704,330 11/06/03	
Mutated recombinant collagens	10/720,831 11/24/03	
Use of hydrophobic crosslinking agents to prepare crosslinked biomaterial compositions	10/448,246 05/28/03	
Use of hydrophobic crosslinking agents to prepare crosslinked biomaterial compositions	10/997,246 11/23/04	
Compositions and systems for forming crosslinked biomaterials and methods of preparation and use	11/344,752	
Adhesive tissue repair patch	10/971,684 10/22/04	
Resorbable anastomosis stents and plugs and their use in patients	10/838,954 05/04/04	
Mixing and dispensing fluid components of a multicomponent composition	10/957,493	
Production of collagen in the milk of transgenic mammals	10/741,236 12/18/03	
Crosslinked polymer compositions	11/078,254 03/10/05	
Biocompatible crosslinked composition	10/873,833 06/21/04	

ANGIOTECH BIOCOATINGS CORP.

ANGIOTECH BIOCOATINGS CORP. Title	Application No. Filing Date	Patent No. Issue Date
lubricious hydrophilic composite coated on substrates	07/092,077 09/02/87	5,001,009 03/19/91
lubricious hydrophilic coating, resistant to wet abrasion	08/067,253 05/25/93	5,331,027 07/19/94
anti-thrombogenic anti-microbial compositions containing heparin	07/430,340 11/02/89	5,069,899 12/03/91
coating compositions comprising pharmaceutical agents	08/333,616 11/02/94	5,525,348 06/11/96
wire for medical use coated with polyether sulfone and a copolymer	09/068,862 07/23/98	6,086,547 07/11/00
hydrophilic coatings with hydrating agents	08/728,805 10/10/96	5,800,412 09/01/98
bonding layers for medical device surface coatings	08/791,440 01/27/97	5,997,517 12/07/99
bonding layers for medical device surface coatings	09/400,867 09/21/99	6,306,176 10/23/01
adherent, flexible hydrogel and medicated coatings	08/880,512 06/23/97	6,110,483 08/29/00
echogenic coatings	08/965,393 11/06/97	6,106,473 08/22/00
echogenic coatings	09/366,193 08/04/99	6,610,016 08/26/03
anti-infective covering for percutaneous and vascular access devices and coating method	09/386,187 08/31/99	6,368,611 04/09/02
graft polymerization of substrate surfaces	09/394,577 09/10/99	6,358,557 03/19/02
Echogenic coatings with overcoat	10/647,119 08/25/03	
Graft polymerization of substrate surfaces	10/035,561 11/07/01	
Targeted therapeutic agent release devices and methods of making and using the same	09/834,307 04/12/01	
Medicated stent having multi-layer polymer coating	10/662,877 09/16/03	
Graft polymer matrices	10/485,298 10/12/04	
Lubricious coating for surgical instruments	01/31/06	
Lubricious echogenic coating for surgical instruments	01/31/06	

NEUCOLL, INC.

NEUCOLL, INC. Title	Application No. Filing Date	Patent No. Issue Date
Devices for tissue repair and methods for preparation and use thereof	09/004,550 01/08/98	6,083,522 07/04/00
Devices for tissue repair and methods for preparation and use thereof	09/362,124 07/27/99	6,280,474 08/28/01
Xenogeneic collagen/mineral preparations in bone repair	07/629,074 12/17/90	5,246,457 09/21/93
Calcium phosphate/atelopeptide collagen compositions for bone repair	08/099,610 07/30/93	5,425,770 06/20/95
Collagen compositions for bone repair containing autogenic marrow	06/829,809 02/14/86	4,774,227 09/27/88
Implant fixation	07/275,215 11/23/88	5,108,436 04/28/92
Method for improving implant fixation	07/527,765 05/23/90	5,258,029 11/02/93
Injectable composition for inductive bone repair	07/133,532 12/16/87	4,863,732 09/05/89
Gamma irradiation of collagen/mineral mixtures	06/928,306 11/06/86	4,865,602 09/12/89
Gamma irradiation of collagen/mineral mixtures	07/647,758 01/29/91	5,123,925 06/23/92
Gamma irradiation of collagen/mineral mixtures	07/356,453 05/24/89	5,035,715 07/30/91
Methods and compositions for improved articular surgery using collagen	10/082,443	