

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

PATENT SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
Angiotech Pharmaceuticals, Inc.	05/12/2011
Afmedica, Inc.	05/12/2011
American Medical Instruments Holdings, Inc.	05/12/2011
Angiotech America, Inc.	05/12/2011
Angiotech Biocoatings Corp.	05/12/2011
Angiotech Delaware, Inc.	05/12/2011
Angiotech Florida Holdings, Inc.	05/12/2011
Angiotech Pharmaceuticals (US), Inc.	05/12/2011
B.G. Sulzle, Inc.	05/12/2011
Manan Medical Products, Inc.	05/12/2011
Medical Device Technologies, Inc.	05/12/2011
Neucoll Inc.	05/12/2011
Quill Medical, Inc.	05/12/2011
Surgical Specialties Corporation	05/12/2011
0741693 British Columbia Ltd.	05/12/2011
Angiotech International Holdings, Corp.	05/12/2011

RECEIVING PARTY DATA

Name:	Wells Fargo Capital Finance, LLC, as administrative agent
Street Address:	One Boston Place
Internal Address:	18th Floor
City:	Boston
State/Country:	MASSACHUSETTS
Postal Code:	02108

PROPERTY NUMBERS Total: 135

Property Type	Number
Application Number:	08067253

501530771

PATENT  
REEL: 026275 FRAME: 0507

CH \$5400.00 08067253

Application Number:	08791440
Application Number:	09440867
Application Number:	12162556
Application Number:	07922541
Application Number:	07985680
Application Number:	07984197
Application Number:	08110577
Application Number:	08146843
Application Number:	08177578
Application Number:	08198128
Application Number:	08236769
Application Number:	08287549
Application Number:	08292415
Application Number:	08368874
Application Number:	08427576
Application Number:	08434958
Application Number:	08434725
Application Number:	08433656
Application Number:	08440274
Application Number:	08478510
Application Number:	09032347
Application Number:	09199139
Application Number:	09596183
Application Number:	11078254
PCT Number:	US0963081
PCT Number:	US1056898
Application Number:	08472413
Application Number:	08478203
Application Number:	08478914
Application Number:	09294458
Application Number:	09925220
Application Number:	10112921
Application Number:	10959398
Application Number:	10959349
Application Number:	11332170

	11435742
Application Number:	11435854
Application Number:	11829550
Application Number:	12062214
Application Number:	12062256
Application Number:	12101885
Application Number:	12263119
Application Number:	12262953
Application Number:	12263083
Application Number:	12340444
Application Number:	12340609
Application Number:	12340581
Application Number:	12340530
Application Number:	12363582
Application Number:	12390276
Application Number:	12392945
Application Number:	12392939
Application Number:	12392955
Application Number:	12428411
Application Number:	12716854
Application Number:	12680176
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Application Number:	12740960
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Application Number:	61331302
Application Number:	61331629
Application Number:	12601000
Application Number:	61354009
Application Number:	12817682
Application Number:	61357018
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Application Number:	12820614
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Application Number:	12677505
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Application Number:	08859887
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Application Number:	12043391
Application Number:	12119749
Application Number:	12495497



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Application Number:	12849969
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Application Number:	12849956
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Application Number:	12849895
Application Number:	12849901
Application Number:	12849946
Application Number:	12850186
Application Number:	12850230
Application Number:	12850455
Application Number:	12850289
Application Number:	12850397
Application Number:	12850362
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Application Number:	12850433
Application Number:	12850447
Application Number:	12850467
Application Number:	12850480
Application Number:	12850498
Application Number:	12849991
Application Number:	12850408
Application Number:	12850263
Application Number:	12850063
Application Number:	12972802
Application Number:	61443045
Application Number:	61466924

#### CORRESPONDENCE DATA

Fax Number: (212)593-5955

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 212-756-2552

Email: marisa.davidson@srz.com

Correspondent Name: M. Davidson c/o Schulte Roth & Zabel LLP

**PATENT**  
**REEL: 026275 FRAME: 0511**

Address Line 1: 919 Third Avenue  
Address Line 2: 22nd Floor  
Address Line 4: New York, NEW YORK 10022

ATTORNEY DOCKET NUMBER: 025983-0159

NAME OF SUBMITTER: Marisa Davidson (025983-0159)

**Total Attachments: 86**

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**PATENT**  
**REEL: 026275 FRAME: 0512**

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**PATENT SECURITY AGREEMENT**

This PATENT SECURITY AGREEMENT (this "Patent Security Agreement") is made this 12 day of May, 2011, among the Grantors listed on the signature pages hereof (collectively, "Grantors" and each individually "Grantor"), and WELLS FARGO CAPITAL FINANCE, LLC, in its capacity as administrative agent for the Lender Group and the Bank Product Providers (together with its successors, "Agent").

**W I T N E S S E T H:**

WHEREAS, pursuant to that certain Credit Agreement, dated as of May 12, 2011 (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), among Angiotech Pharmaceuticals, Inc., a corporation organized under the laws of the Province of British Columbia, Canada, as parent ("Parent"), each Subsidiary of Parent listed on the signature pages thereto as a "Borrower" (each a "Borrower" and collectively, "Borrowers"), the lenders party thereto as "Lenders" ("Lenders"), and Agent, the Lender Group is willing to make certain financial accommodations available to Borrowers pursuant to the terms and conditions thereof; and

WHEREAS, the members of Lender Group are willing to make the financial accommodations to Borrowers as provided for in the Credit Agreement, but only upon the condition, among others, that the Grantors shall have executed and delivered to Agent, for the benefit of the Lender Group and the Bank Product Providers, that certain Security Agreement of even date herewith (including all annexes, exhibits or schedules thereto, as from time to time amended, restated, supplemented or otherwise modified, the "Security Agreement");

WHEREAS, pursuant to the Security Agreement, Grantors are required to execute and deliver to Agent, for the benefit of the Lender Group and the Bank Product Providers, this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor hereby agrees as follows:

1. DEFINED TERMS. All capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement or the Credit Agreement.
2. GRANT OF SECURITY INTEREST IN PATENT COLLATERAL. Each Grantor hereby grants to Agent, for the benefit of the Lender Group and the Bank Product Providers, a continuing first priority security interest (subject to Permitted Liens) in all of such Grantor's right, title and interest in, to and under the following, whether presently existing or hereafter created or acquired (collectively, the "Patent Collateral"):
  - (a) all of its Patents and Patent Intellectual Property Licenses to which it is a party, including those patents and applications and material Patent Intellectual Property Licenses under which Grantor is an exclusive licensee referred to on Schedule I hereto;
  - (b) all reissues, continuations or extensions of the foregoing; and

(c) all products and proceeds of the foregoing, including any claim by such Grantor against third parties for past, present or future infringement of any Patent or any Patent licensed under any Intellectual Property License.

3. SECURITY FOR OBLIGATIONS. This Patent Security Agreement and the Security Interest created hereby secures the payment and performance of all the Secured Obligations, whether now existing or arising hereafter. Without limiting the generality of the foregoing, this Patent Security Agreement secures the payment of all amounts which constitute part of the Obligations and would be owed by Grantors, or any of them, to Agent, the Lender Group, the Bank Product Providers or any of them, whether or not they are unenforceable or not allowable due to the existence of an Insolvency Proceeding involving any Grantor.

4. SECURITY AGREEMENT. The security interests granted pursuant to this Patent Security Agreement are granted in conjunction with the security interests granted to Agent, for the benefit of the Lender Group and the Bank Product Providers, pursuant to the Security Agreement. Each Grantor hereby acknowledges and affirms that the rights and remedies of Agent with respect to the security interest in the Patent Collateral 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.

5. AUTHORIZATION TO SUPPLEMENT. If any Grantor shall obtain rights to any new patentable inventions or become entitled to the benefit of any patent application or patent for any reissue, division, or continuation, of any patent, the provisions of this Patent Security Agreement shall automatically apply thereto. Grantors shall give prompt notice in writing to Agent with respect to any such new patent rights. Without limiting Grantors' obligations under this Section, Grantors hereby authorize Agent unilaterally to modify this Agreement by amending Schedule I to include any such new patent rights of Grantors. Notwithstanding the foregoing, no failure to so modify this Patent Security Agreement or amend Schedule I shall in any way affect, invalidate or detract from Agent's continuing security interest in all Collateral, whether or not listed on Schedule I.

6. COUNTERPARTS. This Patent Security Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all such separate counterparts shall together constitute but one and the same instrument. In proving this Patent Security Agreement or any other Loan Document in any judicial proceedings, it shall not be necessary to produce or account for more than one such counterpart signed by the party against whom such enforcement is sought. Any signatures delivered by a party by facsimile transmission or by e-mail transmission shall be deemed an original signature hereto.

7. CONSTRUCTION. Unless the context of this Patent Security Agreement or any other Loan Document clearly requires otherwise, references to the plural include the singular, references to the singular include the plural, the terms "includes" and "including" are not limiting, and the term "or" has, except where otherwise indicated, the inclusive meaning represented by the phrase "and/or." The words "hereof," "herein," "hereby," "hereunder," and similar terms in this Patent Security Agreement or any other Loan Document refer to this Patent Security Agreement or such other Loan Document, as the case may be, as a whole and not to any particular provision of this Patent Security Agreement or such other Loan Document, as the case

may be. Section, subsection, clause, schedule, and exhibit references herein are to this Patent Security Agreement unless otherwise specified. Any reference in this Patent Security Agreement or in any other Loan Document to any agreement, instrument, or document shall include all alterations, amendments, changes, extensions, modifications, renewals, replacements, substitutions, joinders, and supplements, thereto and thereof, as applicable (subject to any restrictions on such alterations, amendments, changes, extensions, modifications, renewals, replacements, substitutions, joinders, and supplements set forth herein). Any reference herein or in any other Loan Document to the satisfaction or repayment in full of the Obligations shall mean the repayment in full in cash (or cash collateralization in accordance with the terms of the Credit Agreement) of all Obligations other than unasserted contingent indemnification Obligations and other than any Bank Product Obligations that, at such time, are allowed by the applicable Bank Product Providers to remain outstanding and that are not required by the provisions of the Credit Agreement to be repaid or cash collateralized. Any reference herein to any Person shall be construed to include such Person's successors and assigns. Any requirement of a writing contained herein or in any other Loan Document shall be satisfied by the transmission of a Record and any Record so transmitted shall constitute a representation and warranty as to the accuracy and completeness of the information contained therein.

[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.

**GRANTORS:**

**ANGIOTECH PHARMACEUTICALS, INC.,**  
a corporation organized under the laws of the Province  
of British Columbia, Canada

By:   
Name: **K. Thomas Bailey**  
Title: **CFO**

**AFMEDICA, INC.,**  
a Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

**AMERICAN MEDICAL INSTRUMENTS  
HOLDINGS, INC.,**  
a Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

**ANGIOTECH AMERICA, INC.,**  
an Illinois corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

**ANGIOTECH BIOCOATINGS CORP.,**  
a New York corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

**ANGIOTECH DELAWARE, INC.,**  
a Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

**ANGIOTECH FLORIDA HOLDINGS, INC.,** a  
Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

**ANGIOTECH PHARMACEUTICALS (US), INC.,**  
a Washington corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

**B.G. SULZLE, INC.,**  
a Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

**MANAN MEDICAL PRODUCTS, INC.,**  
a Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

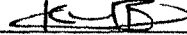
**MEDICAL DEVICE TECHNOLOGIES, INC.,**  
a Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

[Signature Page to Patent Security Agreement]



NEUCOLL INC.,  
a Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**


QUILL MEDICAL, INC.,  
a Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**


SURGICAL SPECIALTIES CORPORATION,  
a Delaware corporation

By:   
Name: **K. Thomas Bailey**  
Title: **President & Treasurer**

0741693 BRITISH COLUMBIA LTD.,  
a corporation organized under the laws of the Province  
of British Columbia, Canada


By:   
Name: **K. Thomas Bailey**  
Title: **AUTHORIZED SIGNATORY**

ANGIOTECH INTERNATIONAL HOLDINGS,  
CORP.,  
a corporation organized under the laws of the Province  
of Nova Scotia, Canada

By:   
Name: **K. Thomas Bailey**  
Title: **AUTHORIZED SIGNATORY**

**ACCEPTED AND ACKNOWLEDGED BY:**

**WELLS FARGO CAPITAL FINANCE, LLC, as  
Agent**

By:   
Name: DENNIS J. REIMAN  
Title: V.P.

SCHEDULE I  
to  
PATENT SECURITY AGREEMENT

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech BioCoatings Corp.	European Patent Convention	LUBRICIOUS COATINGS	Published	07762677.8		13-Jul-00
Angiotech BioCoatings Corp.	France	BONDING LAYERS FOR MEDICAL DEVICE SURFACE COATINGS	Granted	98903753.6	09717 53	27-Nov-08
Angiotech BioCoatings Corp.	Germany	LUBRICIOUS HYDROPHILIC COATING, RESISTANT TO WET ABRASION	Granted	91903994.1	05703 70	
Angiotech BioCoatings Corp.	Germany	BONDING LAYERS FOR MEDICAL DEVICE SURFACE COATINGS	Granted	98903753.6	09717 53	10-Dec-03
Angiotech BioCoatings Corp.	Ireland	BONDING LAYERS FOR MEDICAL DEVICE SURFACE COATINGS	Granted	98903753.6	09717 53	21-Jun-06
Angiotech BioCoatings Corp.	Italy	BONDING LAYERS FOR MEDICAL DEVICE SURFACE COATINGS	Granted	98903753.6	09717 53	21-Jun-06

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech BioCoatings Corp.	Japan	BONDING LAYERS FOR MEDICAL DEVICE SURFACE COATINGS	Pending	2009-239306		
Angiotech BioCoatings Corp.	Netherlands	BONDING LAYERS FOR MEDICAL DEVICE SURFACE COATINGS	Granted	98903753.6	0971753	23-Mar-10
Angiotech BioCoatings Corp.	United Kingdom	LUBRICIOUS HYDROPHILIC COATING, RESISTANT TO WET ABRASION	Granted	91903994.1	0570370	15-Jul-08
Angiotech BioCoatings Corp.	United Kingdom	BONDING LAYERS FOR MEDICAL DEVICE SURFACE COATINGS	Granted	98903753.6	0971753	
Angiotech BioCoatings Corp.	United States of America	LUBRICIOUS HYDROPHILIC COATING, RESISTANT TO WET ABRASION	Granted	08/067253	5331027	
Angiotech BioCoatings Corp.	United States of America	BONDING LAYERS FOR MEDICAL DEVICE SURFACE COATINGS	Granted	08/791440	5997517	
Angiotech BioCoatings Corp.	United States of America	BONDING LAYERS FOR MEDICAL DEVICE SURFACE COATINGS	Granted	09/440867	6306176	21-Jun-06

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech BioCoatings Corp.	United States of America	LUBRICIOUS COATINGS	Published	12/162556		17-Jun-09
Angiotech BioMaterials Corp.	Japan	COLLAGEN-POLYMER CONJUGATES	Published	2007-338229		
Angiotech BioMaterials Corp.	Japan	COLLAGEN-SYNTHETIC POLYMER MATRICES PREPARED USING A MULTIPLE STEP REACTION	Granted	200679819	23 42137	
Angiotech Pharmaceuticals (US), Inc.	Australia	COLLAGEN-SYNTHETIC POLYMER MATRICES PREPARED USING A MULTIPLE STEP REACTION	Granted	15075/95	3 69823	
Angiotech Pharmaceuticals (US), Inc.	Austria	DIFFERENTIALLY BIODEGRADABLE BIOMEDICAL IMPLANTS	Granted	95935719.5	90 07844	
Angiotech Pharmaceuticals (US), Inc.	Canada	DIFFERENTIALLY BIODEGRADABLE BIOMEDICAL IMPLANTS	Granted	2201526	26 22015	
Angiotech Pharmaceuticals (US), Inc.	Canada	CELL SEPARATION DEVICE AND METERING SYRINGE	Granted	2321763	63 23217	21-Jun-06
Angiotech Pharmaceuticals (US), Inc.	France	COLLAGEN-SYNTHETIC POLYMER MATRICES PREPARED USING A MULTIPLE STEP	Granted	95103895.9	90 06809	10-Dec-03

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		REACTION				
Angiotech Pharmaceuticals (US), Inc.	France	DIFFERENTIALLY BIODEGRADABLE BIOMEDICAL IMPLANTS	Granted	95935719.5	90 07844	21-Jun-06
Angiotech Pharmaceuticals (US), Inc.	France	CELL SEPARATION DEVICE AND METERING SYRINGE	Granted	99908449.4	90 10564	17-Jun-09
Angiotech Pharmaceuticals (US), Inc.	German y	COLLAGEN-SYNTHETIC POLYMER MATRICES PREPARED USING A MULTIPLE STEP REACTION	Granted	95103895.9	90 06809	10-Dec-03
Angiotech Pharmaceuticals (US), Inc.	German y	DIFFERENTIALLY BIODEGRADABLE BIOMEDICAL IMPLANTS	Granted	95935719.5	90 07844	21-Jun-06
Angiotech Pharmaceuticals (US), Inc.	German y	CELL SEPARATION DEVICE AND METERING SYRINGE	Granted	99908499.4	90 10564	17-Jun-09
Angiotech Pharmaceuticals (US), Inc.	Italy	CELL SEPARATION DEVICE AND METERING SYRINGE	Granted	99908449.4	90 10564	21-Jun-06
Angiotech Pharmaceuticals (US), Inc.	Japan	COLLAGEN-POLYMER CONJUGATES	Publishe d	2005209324		
Angiotech Pharmaceuticals	Japan	DIFFERENTIALLY BIODEGRADABLE	Publishe d	2005-376651		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
(US), Inc.		BIOMEDICAL IMPLANTS				
Angiotech Pharmaceuticals (US), Inc.	Japan	CELL SEPARATION DEVICE AND METERING SYRINGE	Granted	2000-533161	41320 07	
Angiotech Pharmaceuticals (US), Inc.	United Kingdom	COLLAGEN-SYNTHETIC POLYMER MATRICES PREPARED USING A MULTIPLE STEP REACTION	Granted	95103895.9	06809 90	
Angiotech Pharmaceuticals (US), Inc.	United Kingdom	DIFFERENTIALLY BIODEGRADABLE BIOMEDICAL IMPLANTS	Granted	95935719.5	07844 90	
Angiotech Pharmaceuticals (US), Inc.	United Kingdom	CELL SEPARATION DEVICE AND METERING SYRINGE	Granted	99908449.4	10564 90	21-Jun-06
Angiotech Pharmaceuticals (US), Inc.	United States of America	COLLAGEN-POLYMER CONJUGATES	Granted	07/922541	53289 55	17-Jun-09
Angiotech Pharmaceuticals (US), Inc.	United States of America	COLLAGEN-POLYMER TUBES FOR USE IN VASCULAR SURGERY	Granted	07/985680	52928 02	10-Dec-03
Angiotech Pharmaceuticals (US), Inc.	United States of America	DEHYDRATED COLLAGEN-POLYMER STRINGS	Granted	07/984197	53088 89	21-Jun-06

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals (US), Inc.	United States of America	METHOD OF AUGMENTING TISSUE WITH COLLAGEN-POLYMER CONJUGATES	Granted	08/110577	5306500	
Angiotech Pharmaceuticals (US), Inc.	United States of America	GLYCOSAMINOGLYCAN-SYNTHETIC POLYMER CONJUGATES	Granted	08/146843	5510418	
Angiotech Pharmaceuticals (US), Inc.	United States of America	METHOD OF AUGMENTING TISSUE WITH COLLAGEN-POLYMER CONJUGATES	Granted	08/177578	5376375	03-Oct-08
Angiotech Pharmaceuticals (US), Inc.	United States of America	COLLAGEN-POLYMER CONJUGATES	Granted	08/198128	5413791	
Angiotech Pharmaceuticals (US), Inc.	United States of America	COLLAGEN-SYNTHETIC POLYMER MATRICES PREPARED USING A MULTIPLE STEP REACTION	Granted	08/236769	5475052	27-Mar-09
Angiotech Pharmaceuticals (US), Inc.	United States of America	METHOD OF PREPARING CROSSLINKED BIOMATERIAL COMPOSITIONS FOR USE IN TISSUE AUGMENTATION	Granted	08/287549	5550187	
Angiotech Pharmaceuticals (US), Inc.	United States of America	METHOD OF PREPARING COLLAGEN-POLYMER CONJUGATES	Granted	08/292415	5523348	



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals (US), Inc.	United States of America	COLLAGEN-POLYMER CONJUGATES CONTAINING AN ETHER LINKAGE	Granted	08/368874	5446091	04-Sep-09
Angiotech Pharmaceuticals (US), Inc.	United States of America	IMPLANTS COATED WITH COLLAGEN-POLYMER CONJUGATES	Granted	08/427576	5543441	
Angiotech Pharmaceuticals (US), Inc.	United States of America	GLYCOSAMINOGLYCAN-SYNTHETIC POLYMER CONJUGATES	Granted	08/434958	5510121	02-Aug-10
Angiotech Pharmaceuticals (US), Inc.	United States of America	GLYCOSAMINOGLYCAN-SYNTHETIC POLYMER CONJUGATES	Granted	08/434725	5476666	
Angiotech Pharmaceuticals (US), Inc.	United States of America	GLYCOSAMINOGLYCAN-SYNTHETIC POLYMER CONJUGATES	Granted	08/433656	5470911	10-Dec-03
Angiotech Pharmaceuticals (US), Inc.	United States of America	METHOD OF PREPARING CROSSLINKED BIOMATERIAL COMPOSITIONS FOR USE IN TISSUE AUGMENTATION	Granted	08/440274	5527856	21-Jun-06

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals (US), Inc.	United States of America	POLYMER CONJUGATES OPHTHALMIC DEVICES COMPRISING COLLAGEN-POLYMER CONJUGATES	Granted	08/478510	55501 88	17-Jun-09
Angiotech Pharmaceuticals (US), Inc.	United States of America	CELL SEPARATION DEVICE AND METERING SYRINGE	Granted	09/032347	61236 87	
Angiotech Pharmaceuticals (US), Inc.	United States of America	DIFFERENTIALLY BIODEGRADABLE BIOMEDICAL IMPLANTS	Granted	09/199139	61104 84	21-Jun-06
Angiotech Pharmaceuticals (US), Inc.	United States of America	DIFFERENTIALLY BIODEGRADABLE BIOMEDICAL IMPLANTS	Granted	09/596183	62773 94	10-Dec-03
Angiotech Pharmaceuticals (US), Inc.	United States of America	CROSSLINKED POLYMER COMPOSITIONS	Granted	11/078254	71511 35	21-Jun-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Australia	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	69911/98	72887 3	21-Jun-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Australia	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	71746/00	77181 5	17-Jun-09
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Australia	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	2007254682		10-Dec-03

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Australia	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	71192/94	69379 7	21-Jun-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Austria	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	17-Jun-09
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Austria	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	EP 1159974 B1	10-Dec-03
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Austria	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	21-Jun-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Austria	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	17-Jun-09
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Belgium	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	28-Jun-94
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Belgium	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117872.0	11556 90	19-Apr-94
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Belgium	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	15-Oct-96

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Belgium	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	25-Mar-97
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Belgium	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	EP 1159974 B1	19-Oct-99
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Canada	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	2167268	21672 68	23-Feb-99
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Canada	ANTI-ANGIOGENIC COMPOSITIONS, USES AND METHODS	Allowed	2468375		11-Dec-01
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	China (People's Republic)	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	2005100822 07.9	ZL 20051008220 7.9	18-Apr-00
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	China (People's Republic)	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	2006100998 88.4		06-Nov-01
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	China (People's Republic)	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94193379.2	94193 379.2	26-Dec-00
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	China (People's Republic)	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Publishe d	2006100998 87.X		26-Dec-00

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	China (People's Republic)	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Published	2006100998.9		17-Dec-02
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Denmark	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	1155689	27-Nov-01
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Denmark	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	0797988	01-Oct-02
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Denmark	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	0706376	18-Mar-03
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Denmark	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	1159974	23-Sep-03
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	European Patent Convention	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Allowed	05020782.8		21-Dec-04
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	European Patent Convention	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Published	10153077.2		29-Nov-05
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	European Patent Convention	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Allowed	05020783.6		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	European Patent Convention	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Published	08006468.6		28-Jun-05
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	European Patent Convention	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Allowed	05020791.9		13-Feb-07
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	European Patent Convention	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Allowed	05020792.7		
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	European Patent Convention	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117872.0	11556 90	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	European Patent Convention	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE - METHOD B	Granted	01117863.9	11556 89	08-Feb-11
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	France	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	France	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	
Angiotech Pharmaceuticals,	France	ANTI-ANGIOGENIC COMPOSITIONS AND	Granted	96119361.2	07979 88	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc./Univ. of B.C.		METHODS OF USE				
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	France	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117872.0	11556 90	19-Oct-05
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	France	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	17-Jun-98
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	France	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE - MITOXANTRONE	Granted	01117876.1	11556 91	19-Oct-05
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	France	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE - METALLOPROTEINASE INHIBITORS	Granted	01117882.9	11599 75	19-Oct-05
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	German y	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE - METALLOPROTEINASE INHIBITORS	Granted	01117882.9	11599 75	19-Oct-05
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	German y	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	German y	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117872.0	11556 90	19-Oct-05

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Germany	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE - MITOXANTRONE	Granted	01117876.1	11556 91	17-Jun-98
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Germany	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	19-Oct-05
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Germany	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	19-Jul-94
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Germany	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	07-Dec-99
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Greece	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	23-Oct-01
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Greece	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Greece	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Published	06110532.8		07-Nov-08



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	02103990.2	1042054	29-Oct-98
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Publishe d	08100051.8		18-Aug-04
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Publishe d	06102632.4		09-Dec-08
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Publishe d	06110523.9		08-Jan-08
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Publishe d	08100053.6		18-Oct-00
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	METHOD OF MANUFACTURING A STENT COMPRISING AN ANTI-ANGIOGENIC COMPOSITION	Publishe d	06110187.6		18-Aug-04
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Publishe d	08100052.7		14-Jun-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	09100622.7		18-Oct-00

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Hong Kong	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Published	06110003.8		18-Aug-04
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Ireland	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	14-Jun-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Ireland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	14-Jun-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Ireland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117872.0	11556 90	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Ireland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Ireland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE - METALLOPROTEINASE INHIBITORS	Granted	01117882.9	11599 75	06-Jun-08
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Ireland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	18-Oct-00
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Ireland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE -	Granted	01117876.1	11556 91	18-Aug-04

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		MITOXANTRONE				
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Italy	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	14-Jun-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Italy	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	12-Jul-94
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Italy	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	08-Mar-94
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Italy	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	03-May-94
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Japan	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	2002-66179	44765 36	26-Apr-94
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Japan	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	2006-239650		23-Apr-96
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Japan	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	2006-331088	45971 15	27-Dec-94
Angiotech Pharmaceuticals,	Japan	ANTI-ANGIOGENIC COMPOSITIONS AND	Granted	7-504823	34233 17	09-May-95

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc./Univ. of B.C.		METHODS OF USE				
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Korea, Republic of	A STENT FOR HOLDING OPEN THE LUMEN OF A BODY PASSAGEWAY AND A METHOD FOR MANUFACTURING THE SAME	Granted	96-700266	389223	12-Dec-95
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Korea, Republic of	ANTI-ANGIOGENIC COMPOSITIONS, A STENT COATED WITH THE ANTI-ANGIOGENIC COMPOSITIONS AND A METHOD FOR MANUFACTURING THE STENT	Granted	10-2002-7016338	10-0934111	27-Aug-96
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Korea, Republic of	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	10-2011-7007294		04-Jun-96
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Luxembourg	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	1155689	29-Aug-95
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Luxembourg	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	0797988	06-Aug-96
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Luxembourg	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE	Granted	01117873.8	1159974	23-Apr-96

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		CARRIER AND THEIR USE				
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Luxembourg	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	19-Dec-95
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Monaco	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	28-Nov-95
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Monaco	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	18-Jun-96
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Monaco	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	27-Aug-96
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Netherlands	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	26-Sep-00
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Netherlands	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	29-Aug-00
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Netherlands	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	21-Aug-01
Angiotech Pharmaceuticals,	Netherlands	ANTI-ANGIOGENIC COMPOSITIONS AND	Granted	01117863.9	11556	19-Dec-06

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc./Univ. of B.C.	nds	METHODS OF USE			89	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Netherla nds	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117872.0	11556 90	03-May-01
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	New Zealand	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	585396		22-Jul-04
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	New Zealand	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	268326	26832 6	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	New Zealand	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	523799	52379 9	05-Nov-98
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	New Zealand	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	533467	53346 7	20-Sep-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	New Zealand	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	511762	51176 2	18-Jul-07
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	New Zealand	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	329193	32919 3	14-Jan-09
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Norway	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	1996.0226	32427 5	25-Jun-97

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Norway	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	2007/3066		25-Jun-97
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Portugal	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	29-Sep-04
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Portugal	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	14-Jan-09
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Portugal	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	20-Sep-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Portugal	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	18-Jul-07
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Russian Federation	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96105391	21808 44	28-Sep-94
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Russian Federation	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	2007111679		
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Russian Federation	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	2001132111	23044 33	18-Aug-10

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Spain	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Spain	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	18-Feb-04
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Spain	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Spain	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Sweden	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	20-Sep-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Sweden	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	14-Jan-09
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Sweden	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	25-Jun-97
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Sweden	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	18-Jul-07



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Switzerland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE - MITOXANTRONE	Granted	01117876.1	11556 91	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Switzerland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117872.0	11556 90	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Switzerland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Switzerland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Switzerland	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Switzerland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE - METALLOPROTEINASE INHIBITORS	Granted	01117882.9	11599 75	
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	Switzerland	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	29-Sep-04
Angiotech Pharmaceuticals,	United Kingdom	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE -	Granted	01117882.9	11599 75	20-Sep-06

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc./Univ. of B.C.		METALLOPROTEINASE INHIBITORS				
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	United Kingdom	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE - MITOXANTRONE	Granted	01117876.1	11556 91	20-Sep-06
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	United Kingdom	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	96119361.2	07979 88	18-Jul-07
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	United Kingdom	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117872.0	11556 90	14-Jan-09
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	United Kingdom	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	94920360.8	07063 76	29-Sep-04
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	United Kingdom	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	01117863.9	11556 89	25-Jun-97
Angiotech Pharmaceuticals, Inc./Univ. of B.C.	United Kingdom	ANTI-ANGIOGENIC COMPOSITIONS CONTAINING TAXOL AND A NON-BIODEGRADABLE CARRIER AND THEIR USE	Granted	01117873.8	11599 74	17-Sep-08
Angiotech Pharmaceuticals, Inc.	Australia	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL	Pending	2009236330		10-Sep-08

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		RETAINERS				
Angiotech Pharmaceuticals, Inc.	Australia	BIOCOMPATIBLE CROSSLINKED HYDROGELS, DRUG- LOADED HYDROGELS AND METHODS OF USING THE SAME	Pending	2009240662		10-Sep-08
Angiotech Pharmaceuticals, Inc.	Australia	SHAPE-MEMORY SELF-RETAINING SUTURES, METHODS OF MANUFACTURE, AND METHODS OF USE	Pending	2009240477		25-Jun-97
Angiotech Pharmaceuticals, Inc.	Australia	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	2009257866		29-Sep-04
Angiotech Pharmaceuticals, Inc.	Brazil	SUTURE PACKAGING	Pending	PI0812131- 1		17-Sep-08
Angiotech Pharmaceuticals, Inc.	Brazil	SELF-RETAINING SUTURES WITH HEAT- CONTACT MEDIATED RETAINERS	Pending	P0820129-3		18-Jul-07
Angiotech Pharmaceuticals, Inc.	Brazil	METHOD AND APPARATUS FOR ELEVATING RETAINERS ON SELF-RETAINING SUTURES	Pending	Not Yet Assigned		20-Sep-06

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	Brazil	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL RETAINERS	Pending	Not Yet Assigned		14-Jan-09
Angiotech Pharmaceuticals, Inc.	Brazil	SHAPE-MEMORY SELF-RETAINING SUTURES, METHODS OF MANUFACTURE, AND METHODS OF USE	Pending	PI0911446-7		14-Jan-09
Angiotech Pharmaceuticals, Inc.	Brazil	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	Not Yet Assigned		25-Jun-97
Angiotech Pharmaceuticals, Inc.	Canada	COMBINATION OF PACLITAXEL AND A POLYMER	Granted	2472373	24723 73	20-Sep-06
Angiotech Pharmaceuticals, Inc.	Canada	SELF-RETAINING SYSTEMS FOR SURGICAL PROCEDURES	Pending	2683819		
Angiotech Pharmaceuticals, Inc.	Canada	SUTURE PACKAGING	Pending	2688833		14-Nov-08
Angiotech Pharmaceuticals, Inc.	Canada	SELF-RETAINING SUTURES WITH HEAT-CONTACT MEDIATED RETAINERS	Pending	2709328		
Angiotech Pharmaceuticals, Inc.	Canada	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL	Pending	2720847		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		RETAINERS AND UNI-DIRECTIONAL RETAINERS				
Angiotech Pharmaceuticals, Inc.	Canada	BIOCOMPATIBLE CROSSLINKED HYDROGELS, DRUG-LOADED HYDROGELS AND METHODS OF USING THE SAME	Pending	2722092		
Angiotech Pharmaceuticals, Inc.	Canada	SHAPE-MEMORY SELF-RETAINING SUTURES, METHODS OF MANUFACTURE, AND METHODS OF USE	Pending	Not Yet Assigned		
Angiotech Pharmaceuticals, Inc.	Canada	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	Not Yet Assigned		
Angiotech Pharmaceuticals, Inc.	China (People's Republic)	SELF-RETAINING SUTURES WITH HEAT-CONTACT MEDIATED RETAINERS	Published	2008801220 49.7		
Angiotech Pharmaceuticals, Inc.	China (People's Republic)	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL RETAINERS	Pending	2009801206 84.6		
Angiotech Pharmaceuticals, Inc.	China (People's Republic)	SHAPE-MEMORY SELF-RETAINING SUTURES, METHODS OF MANUFACTURE, AND	Pending	2009801217 82.1		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
	Republic)	METHODS OF USE				
Angiotech Pharmaceuticals, Inc.	China (People's Republic)	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	2009801247 55.X		18-Jul-07
Angiotech Pharmaceuticals, Inc.	European Patent Convention	SELF-RETAINING SYSTEMS FOR SURGICAL PROCEDURES	Published	08745687.7		14-Jan-09
Angiotech Pharmaceuticals, Inc.	European Patent Convention	SUTURE PACKAGING	Published	08756330.0		29-Sep-04
Angiotech Pharmaceuticals, Inc.	European Patent Convention	SUTURE PACKAGING AND METHODS RELATED THERETO	Published	08830510.7		20-Sep-06
Angiotech Pharmaceuticals, Inc.	European Patent Convention	SELF-RETAINING SUTURES INCLUDING TISSUE RETAINERS HAVING IMPROVED STRENGTH	Published	08833263.0		10-Sep-08
Angiotech Pharmaceuticals, Inc.	European Patent Convention	COMBINING SYNTHETIC, NATURAL POLYMERS AND RECOMBINANT POLYMERS TO FORM MONOFILAMENT AND MULTIFILAMENT SELF-RETAINING SUTURES	Published	08845744.5		25-Jun-97

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	European Patent Convention	SELF-RETAINING SUTURES WITH HEAT-CONTACT MEDIATED RETAINERS	Published	08866535.1		17-Sep-08
Angiotech Pharmaceuticals, Inc.	European Patent Convention	APPARATUS AND METHOD FOR FORMING SELF-RETAINING SUTURES	Published	09705682.4		20-Sep-06
Angiotech Pharmaceuticals, Inc.	European Patent Convention	METHOD AND APPARATUS FOR ELEVATING RETAINERS ON SELF-RETAINING SUTURES	Published	09713378.9		14-Jan-09
Angiotech Pharmaceuticals, Inc.	European Patent Convention	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL RETAINERS	Published	09732480.0		18-Jul-07
Angiotech Pharmaceuticals, Inc.	European Patent Convention	BIOCOMPATIBLE CROSSLINKED HYDROGELS, DRUG-LOADED HYDROGELS AND METHODS OF USING THE SAME	Pending	09734757.9		25-Jun-97
Angiotech Pharmaceuticals, Inc.	European Patent Convention	SHAPE-MEMORY SELF-RETAINING SUTURES, METHODS OF MANUFACTURE, AND METHODS OF USE	Published	09735127.4		19-Mar-10

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	European Patent Convention	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	09763167.5		
Angiotech Pharmaceuticals, Inc.	Hong Kong	SELF-RETAINING SYSTEMS FOR SURGICAL PROCEDURES	Published	10107111.7		01-Oct-10
Angiotech Pharmaceuticals, Inc.	Hong Kong	SUTURE PACKAGING	Published	10109271.9		25-Apr-03
Angiotech Pharmaceuticals, Inc.	Hong Kong	SELF-RETAINING SUTURES INCLUDING TISSUE RETAINERS HAVING IMPROVED STRENGTH	Pending	10111547.3		16-Jun-03
Angiotech Pharmaceuticals, Inc.	India	SELF-RETAINING SYSTEMS FOR SURGICAL PROCEDURES	Pending	7260/DELN P/2009		18-Dec-09
Angiotech Pharmaceuticals, Inc.	India	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL RETAINERS	Pending	2141/MUMN P/2010		
Angiotech Pharmaceuticals, Inc.	India	SHAPE-MEMORY SELF-RETAINING SUTURES, METHODS OF MANUFACTURE, AND METHODS OF USE	Pending	Not Yet Assigned		20-Sep-06



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	India	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	2542/MUMN P/2010		14-Jan-09
Angiotech Pharmaceuticals, Inc.	Japan	SELF-RETAINING SYSTEMS FOR SURGICAL PROCEDURES	Publishe d	2010-503254		18-Jul-07
Angiotech Pharmaceuticals, Inc.	Japan	SELF-RETAINING SUTURES WITH HEAT-CONTACT MEDIATED RETAINERS	Pending	2010-539899		25-Jun-97
Angiotech Pharmaceuticals, Inc.	Japan	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL RETAINERS	Pending	2011-505141		20-Sep-06
Angiotech Pharmaceuticals, Inc.	Japan	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	2011-509786		14-Jan-09
Angiotech Pharmaceuticals, Inc.	Korea, Republic of	SELF-RETAINING SYSTEMS FOR SURGICAL PROCEDURES	Pending	10-2009-7023593		25-Jun-97
Angiotech Pharmaceuticals, Inc.	Korea, Republic of	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL RETAINERS	Pending	10-2010-7025408		25-Jun-97

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	Korea, Republic of	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	10-2010-7028176		14-Jan-09
Angiotech Pharmaceuticals, Inc.	Mexico	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL RETAINERS	Pending	MX/a/2010/011160		18-Jul-07
Angiotech Pharmaceuticals, Inc.	Mexico	SHAPE-MEMORY SELF-RETAINING SUTURES, METHODS OF MANUFACTURE, AND METHODS OF USE	Pending	MX/a/2010/011645		20-Sep-06
Angiotech Pharmaceuticals, Inc.	Mexico	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	Mx/a/2010/012388		29-Sep-04
Angiotech Pharmaceuticals, Inc.	Patent Cooperation Treaty	LENGTH OF SELF-RETAINING SUTURE AND METHOD AND DEVICE FOR USING THE SAME	Published	PCT/US2009/063081		
Angiotech Pharmaceuticals, Inc.	Patent Cooperation Treaty	BRAIDED SELF-RETAINING SUTURES AND METHODS	Pending	PCT/US10/56898		27-Apr-98
Angiotech Pharmaceuticals, Inc.	Singapore	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL	Pending	201007455-7		07-Jul-05

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		RETAINERS				
Angiotech Pharmaceuticals, Inc.	Singapore	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	201008411-9		08-Jun-06
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	08/472413	5886026	05-Jan-04
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	08/478203	5716981	17-Dec-01
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS FOR THE TREATMENT OF ARTHRITIS	Granted	08/478914	5994341	17-Sep-07
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	09/294458	6506411	
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	09/925220	6544544	14-Jan-09
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	10/112921	6846841	25-Jun-97

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	10/959398		18-Jul-07
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Granted	10/959349	78201 93	20-Sep-06
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	11/332170		27-Mar-02
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	11/435742		
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	11/435854		20-Aug-07
Angiotech Pharmaceuticals, Inc.	United States of America	MINIMALLY-INVASIVE NIPPLE-LIFT PROCEDURE AND APPARATUS	Granted	11/829550	78714 25	18-Jul-07
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SYSTEMS FOR SURGICAL PROCEDURES	Publishe d	12/062214		20-Sep-06
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SYSTEMS FOR SURGICAL PROCEDURES	Publishe d	12/062256		25-Jun-97

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SYSTEMS FOR SURGICAL PROCEDURES	Published	12/101885		14-Jan-09
Angiotech Pharmaceuticals, Inc.	United States of America	RECOMBINANT EXPRESSED BIOADSORBABLE POLYHYDROXYALKONATE MONOFILAMENT AND MULTI-FILAMENTS SELF-RETAINING SUTURES	Pending	12/263119		14-Jan-09
Angiotech Pharmaceuticals, Inc.	United States of America	METHOD OF MANUFACTURING AND TESTING MONOFILAMENT AND MULTI-FILAMENTS SELF-RETAINING SUTURES	Pending	12/262953		25-Jun-97
Angiotech Pharmaceuticals, Inc.	United States of America	COATINGS FOR MODIFYING MONOFILAMENT AND MULTI-FILAMENTS SELF-RETAINING SUTURES	Pending	12/263083		20-Sep-06
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SUTURES WITH RETAINERS FORMED FROM MOLTEN MATERIAL	Pending	12/340444		18-Jul-07
Angiotech Pharmaceuticals, Inc.	United States of America	LOOPED SELF-RETAINING SUTURES	Pending	12/340609		17-Sep-08

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	United States of America	LOOPED AND MULTIPLE STRAND SELF-RETAINING SUTURES	Pending	12/340581		29-Sep-04
Angiotech Pharmaceuticals, Inc.	United States of America	COMPOSITE SELF-RETAINING SUTURES AND METHOD	Pending	12/340530		25-Jun-97
Angiotech Pharmaceuticals, Inc.	United States of America	APPARATUS AND METHOD FOR FORMING SELF-RETAINING SUTURES	Pending	12/363582		20-Sep-06
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SUTURES WITH PREFORMED RETAINERS	Pending	12/390276		18-Jul-07
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINERS WITH SUPPORTING STRUCTURES ON A SUTURE	Pending	12/392945		10-Sep-08
Angiotech Pharmaceuticals, Inc.	United States of America	ALTERNATIVE GEOMETRY SELF-RETAINING SUTURE SYSTEM	Pending	12/392939		14-Jan-09
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SUTURE WITH VARIABLE DIMENSION FILAMENT AND METHOD	Pending	12/392955		10-Sep-08
Angiotech Pharmaceuticals, Inc.	United States of	BIOCOMPATIBLE CROSS-LINKED HYDROGELS, DRUG-	Publishe d	12/428,411		17-Sep-08

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
	America	LOADED HYDROGELS AND METHODS OF USING THE SAME				
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Published	12/716854		14-Jan-09
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SUTURES INCLUDING TISSUE RETAINERS HAVING IMPROVED STRENGTH	Pending	12/680176		29-Sep-04
Angiotech Pharmaceuticals, Inc.	United States of America	HIGH-DENSITY SELF-RETAINING SUTURES, MANUFACTURING EQUIPMENT AND METHODS	Pending	61/329436		25-Jun-97
Angiotech Pharmaceuticals, Inc.	United States of America	COMBINING SYNTHETIC, NATURAL POLYMERS AND RECOMBINANT POLYMERS TO FORM MONOFILAMENT AND MULTIFILAMENT SELF-RETAINING SUTURES	Published	12/740960		20-Sep-06
Angiotech Pharmaceuticals, Inc.	United States of America	LASER CUTTING SYSTEM AND METHODS FOR CREATING SELF-RETAINING SUTURES	Pending	61/331294		18-Jul-07

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SYSTEMS HAVING LASER-CUT RETAINERS	Pending	61/331302		
Angiotech Pharmaceuticals, Inc.	United States of America	SURFACE TEXTURE CONFIGURATION FOR SELF-RETAINING SUTURES AND METHODS FOR FORMING SAME	Pending	61/331629		
Angiotech Pharmaceuticals, Inc.	United States of America	SUTURE PACKAGING	Published	12/601000		
Angiotech Pharmaceuticals, Inc.	United States of America	SUTURE DELIVERY TOOLS FOR ENDOSCOPIC AND ROBOT-ASSISTED SURGERY AND METHODS	Pending	61/354009		
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	12/817682		
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SUTURES HAVING UNELEVATED RETAINERS AND METHODS OF IN SITU ELEVATION	Pending	61/357018		
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Published	12/820572		



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	12/820614		
Angiotech Pharmaceuticals, Inc.	United States of America	ANTI-ANGIOGENIC COMPOSITIONS AND METHODS OF USE	Pending	12/820523		
Angiotech Pharmaceuticals, Inc.	United States of America	APPARATUS AND METHOD FOR FORMING SELF-RETAINING SUTURES	Pending	12/865290		
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SUTURES WITH BI-DIRECTIONAL RETAINERS AND UNI-DIRECTIONAL RETAINERS	Pending	12/937776		13-Oct-09
Angiotech Pharmaceuticals, Inc.	United States of America	SHAPE-MEMORY SELF-RETAINING SUTURES, METHODS OF MANUFACTURE, AND METHODS OF USE	Pending	12/988841		
Angiotech Pharmaceuticals, Inc.	United States of America	DRUG-ELUTING SELF-RETAINING SUTURES AND METHOD	Pending	61/409731		
Angiotech Pharmaceuticals, Inc.	United States of America	METHOD AND APPARATUS FOR ELEVATING RETAINERS ON SELF-RETAINING SUTURES	Pending	12/866027		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING SUTURES WITH HEAT-CONTACT MEDIATED RETAINERS	Pending	12/808081		
Angiotech Pharmaceuticals, Inc.	United States of America	EMERGENCY SELF-RETAINING SUTURES AND METHODS	Pending	61/411918		
Angiotech Pharmaceuticals, Inc.	United States of America	MULTIPLE ARMED SUTURE PACK	Pending	61/412389		
Angiotech Pharmaceuticals, Inc.	United States of America	CODED HETEROFUNCTIONAL SUTURES AND METHODS	Pending	12/992453		
Angiotech Pharmaceuticals, Inc.	United States of America	SUTURE PACKAGING AND METHODS RELATED THERETO	Pending	12/677505		
Angiotech Pharmaceuticals, Inc.	United States of America	BIDIRECTIONAL SELF-RETAINING SUTURES WITH LASER-MARKED AND/OR NON-LASER MARKED INDICIA AND METHODS	Pending	12/970872		
Quill Medical, Inc.	Australia	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	200400650	200400650	
Quill Medical,	Australia	SURGICAL METHODS USING ONE-	Granted	31406/02	76989	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc.		WAY SUTURE			5	
Quill Medical, Inc.	Australia	SURGICAL METHODS USING ONE-WAY SUTURE	Allowed	2008200738		
Quill Medical, Inc.	Australia	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98/75900	74305 6	
Quill Medical, Inc.	Australia	SUTURE METHOD	Granted	2002345953	20023 45953	
Quill Medical, Inc.	Australia	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Pending	2009201345		
Quill Medical, Inc.	Australia	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	2002356136	20023 56136	
Quill Medical, Inc.	Australia	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Pending	2009245844		
Quill Medical, Inc.	Australia	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	2003272764	20327 2764	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Australia	BARBED SUTURES	Granted	2003270916	20032 70916	
Quill Medical, Inc.	Australia	BARB CONFIGURATIONS FOR BARBED SUTURES .	Pending	2010200108		
Quill Medical, Inc.	Australia	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	2003279048	20032 79048	
Quill Medical, Inc.	Australia	APPARATUS FOR FORMING BARBS ON A SUTURE	Pending	2004238371		
Quill Medical, Inc.	Australia	SUTURE METHODS AND DEVICES	Pending	2005244886		
Quill Medical, Inc.	Australia	SUTURE METHODS USING ONE-WAY SUTURE	Pending	2011200704		
Quill Medical, Inc.	Austria	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	09913 59	
Quill Medical, Inc.	Austria	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	14296 64	
Quill Medical, Inc.	Austria	BARBED SUTURE IN COMBINATION WITH	Granted	03770556.3	15592 66	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		SURGICAL NEEDLE				
Quill Medical, Inc.	Austria	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	46 15559	
Quill Medical, Inc.	Austria	BARBED SUTURES	Granted	03752630.8	83 15606	
Quill Medical, Inc.	Belgium	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	64 14296	
Quill Medical, Inc.	Belgium	BARBED SUTURES	Granted	03752630.8	83 15606	
Quill Medical, Inc.	Belgium	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	46 15559	
Quill Medical, Inc.	Belgium	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	66 15592	
Quill Medical, Inc.	Belgium	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	43 18582	
Quill Medical, Inc.	Belgium	BARBED SUTURES	Granted	07015905.8	36 18572	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Brazil	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Pending	PI0212050-0		
Quill Medical, Inc.	Brazil	SUTURE ANCHOR AND METHOD	Pending	PI 0305764-0		
Quill Medical, Inc.	Brazil	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Pending	PI 0306510-3		
Quill Medical, Inc.	Brazil	BARBED SUTURES	Pending	PI 0306508-1		
Quill Medical, Inc.	Brazil	BARB CONFIGURATIONS FOR BARBED SUTURES	Pending	PI 0306509-0		
Quill Medical, Inc.	Brazil	SUTURE METHODS AND DEVICES	Pending	PI 0510975-2		
Quill Medical, Inc.	Canada	ONE-WAY SURGICAL SUTURES AND THE MANUFACTURE THEREOF	Pending	2677923		
Quill Medical, Inc.	Canada	ONE-WAY SURGICAL SUTURES AND THE MANUFACTURE THEREOF	Granted	2290533	2290533	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Canada	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Pending	2632145		
Quill Medical, Inc.	Canada	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	2457384	2457384	23-Mar-99
Quill Medical, Inc.	Canada	SUTURE ANCHOR AND METHOD	Allowed	2494905		10-Feb-98
Quill Medical, Inc.	Canada	BARB CONFIGURATIONS FOR BARBED SUTURES	Published	2500394		30-Nov-99
Quill Medical, Inc.	Canada	BARBED SUTURES	Pending	2500381		14-Jan-03
Quill Medical, Inc.	Canada	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Pending	2500404		08-Apr-03
Quill Medical, Inc.	Canada	APPARATUS FOR FORMING BARBS ON A SUTURE	Pending	2525579		25-Jan-05
Quill Medical, Inc.	Canada	SUTURE METHODS AND DEVICES	Pending	2566438		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	China (People's Republic)	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Published	2007101410 94.4		26-Oct-10
Quill Medical, Inc.	China (People's Republic)	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Pending	2010102707 45.1		
Quill Medical, Inc.	China (People's Republic)	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02816778.3	ZL 02816778.3	
Quill Medical, Inc.	China (People's Republic)	BARBED SUTURES	Pending	2010105137 44.5		
Quill Medical, Inc.	China (People's Republic)	BARB CONFIGURATIONS FOR BARBED SUTURES	Published	2010101353 80.1		18-Jan-11
Quill Medical, Inc.	China (People's Republic)	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Allowed	03825271.6		
Quill Medical, Inc.	China (People's Republic)	BARB CONFIGURATIONS FOR BARBED SUTURES	Published	2010101354 11.3		
Quill Medical, Inc.	China (People's Republic)	BARBED	Allowed	03825269.4		



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc.	Republic)	SUTURES				
Quill Medical, Inc.	China (People's Republic)	A BARBED SUTURE FOR CONNECTING HUMAN OR ANIMAL TISSUE	Pending	Not Yet Assigned		
Quill Medical, Inc.	China (People's Republic)	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03825272.4	ZL038 25272.4	
Quill Medical, Inc.	China (People's Republic)	SUTURE METHODS AND DEVICES	Publishe d	2005800237 53.3		
Quill Medical, Inc.	Colombi a	SUTURE METHODS AND DEVICES	Publishe d	06-124857		
Quill Medical, Inc.	Costa Rica	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Publishe d	7260		
Quill Medical, Inc.	Costa Rica	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Publishe d	7775		
Quill Medical, Inc.	Costa Rica	BARBED SUTURES	Publishe d	7772		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Costa Rica	BARB CONFIGURATIONS FOR BARBED SUTURES	Published	7774		
Quill Medical, Inc.	Costa Rica	SUTURE METHODS AND DEVICES	Published	8781		
Quill Medical, Inc.	Denmark	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	0991359	
Quill Medical, Inc.	Denmark	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	1429664	
Quill Medical, Inc.	Denmark	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	1858243	
Quill Medical, Inc.	Denmark	BARBED SUTURES	Granted	07015905.8	1857236	
Quill Medical, Inc.	Denmark	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	1555946	
Quill Medical, Inc.	Denmark	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	1559266	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	European Patent Convention	Method and system using a laser to produce barbed sutures	Published	10000486.0		
Quill Medical, Inc.	European Patent Convention	Method and system using a laser to produce barbed sutures	Pending	10011869.4		
Quill Medical, Inc.	European Patent Convention	BARBED SUTURE AND METHOD OF PROVIDING A BARBED SUTURE	Pending	10011868.6		
Quill Medical, Inc.	European Patent Convention	BARBED SUTURE AND METHOD OF PROVIDING A BARBED SUTURE	Published	10000629.5		
Quill Medical, Inc.	European Patent Convention	SUTURE ANCHOR AND METHOD	Pending	10186592.1		
Quill Medical, Inc.	European Patent Convention	BARBED SUTURES	Pending	10184766.3		
Quill Medical, Inc.	European Patent Convention	BARBED SUTURES	Published	09014651.5		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	European Patent Convention	BARBED SUTURES	Published	10011871.0		
Quill Medical, Inc.	European Patent Convention	BARBED SUTURE	Pending	10011872.8		
Quill Medical, Inc.	European Patent Convention	BARBED SUTURE	Published	10004453.6		
Quill Medical, Inc.	European Patent Convention	APPARATUS FOR FORMING BARBS ON A SUTURE	Published	04752088.7		
Quill Medical, Inc.	European Patent Convention	APPARATUS FOR FORMING BARBS ON A SUTURE	Pending	10012437.9		
Quill Medical, Inc.	European Patent Convention	SUTURE METHODS AND DEVICES	Published	05750101.7		
Quill Medical, Inc.	Finland	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	0991359	
Quill Medical, Inc.	Finland	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	1429664	
Quill Medical, Inc.	Finland	BARB CONFIGURATIONS FOR	Granted	03754965.6	15559	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc.		BARBED SUTURES			46	
Quill Medical, Inc.	Finland	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	15592 66	
Quill Medical, Inc.	France	MACHINE AND METHOD FOR PRODUCING A BARBED SUTURE	Granted	05025816.9	16568 90	
Quill Medical, Inc.	France	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	09913 59	
Quill Medical, Inc.	France	METHOD AND SYSTEM USING A LASER TO PRODUCE BARBED SUTURES	Granted	07016222.7	18919 03	
Quill Medical, Inc.	France	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	14296 64	
Quill Medical, Inc.	France	SUTURE ANCHOR AND METHOD	Granted	03785177.1	15513 11	
Quill Medical, Inc.	France	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	07017663.1	18672 88	
Quill Medical, Inc.	France	BARB CONFIGURATIONS FOR	Granted	03754965.6	15559 46	29-Feb-08

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		BARBED SUTURES				
Quill Medical, Inc.	France	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	43 18582	20-May-04
Quill Medical, Inc.	France	BARBED SUTURES	Granted	07015905.8	36 18572	
Quill Medical, Inc.	France	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	66 15592	02-May-02
Quill Medical, Inc.	France	BARBED SUTURES	Granted	03752630.8	83 15606	24-Jan-08
Quill Medical, Inc.	German y	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	59 09913	
Quill Medical, Inc.	German y	METHOD AND SYSTEM USING A LASER TO PRODUCE BARBED SUTURES	Granted	07016222.7	03 18919	23-Apr-09
Quill Medical, Inc.	German y	MACHINE AND METHOD FOR PRODUCING A BARBED SUTURE	Granted	05025816.9	90 16568	
Quill Medical, Inc.	German y	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	64 14296	11-Feb-10

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	German y	SUTURE ANCHOR AND METHOD	Granted	03785177.1	11 15513	27-May-10
Quill Medical, Inc.	German y	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	46 15559	
Quill Medical, Inc.	German y	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	07017663.1	88 18672	24-Dec-09
Quill Medical, Inc.	German y	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	66 15592	
Quill Medical, Inc.	German y	BARBED SUTURES	Granted	03752630.8	83 15606	
Quill Medical, Inc.	German y	BARBED SUTURES	Granted	07015905.8	36 18572	
Quill Medical, Inc.	German y	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	43 18582	07-Nov-07
Quill Medical, Inc.	Hong Kong	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Publishe d	08104172.4		28-Mar-07
Quill Medical, Inc.	Hong Kong	BARBED SUTURES	Publishe d	10109419.2		15-Aug-07
Quill Medical,	Hong	BARBED SUTURE IN COMBINATION WITH	Granted	06101371.1	HK10	12-Sep-07

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc.	Kong	SURGICAL NEEDLE			81772	
Quill Medical, Inc.	Hong Kong	BARBED SUTURES	Granted	06101372.0	10814 84A	15-Aug-07
Quill Medical, Inc.	Hong Kong	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	08106671.5		28-Mar-07
Quill Medical, Inc.	Hong Kong	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	08105319.5	11110 24	15-Aug-07
Quill Medical, Inc.	Hong Kong	BARBED SUTURES	Granted	08105320.2	11108 33	12-Sep-07
Quill Medical, Inc.	Hong Kong	BARBED SUTURES	Publishe d	08102179.1		15-Aug-07
Quill Medical, Inc.	Hong Kong	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	06101370.2	HK10 81419	18-Nov-09
Quill Medical, Inc.	Hong Kong	SUTURE METHODS AND DEVICES	Publishe d	07109271.4		25-Nov-09
Quill Medical, Inc.	Hong Kong	SUTURE METHODS AND DEVICES	Publishe d	09110578.0		
Quill Medical, Inc.	Hong Kong	BARBED SUTURE AND METHOD OF PROVIDING A BARBED SUTURE	Publishe d	10109930.2		



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Hong Kong	BARB CONFIGURATIONS FOR BARBED SUTURES	Pending	11100267.3		
Quill Medical, Inc.	India	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Pending	00336/DEL NP/2004		
Quill Medical, Inc.	India	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Pending	9901/DELN P/2007		
Quill Medical, Inc.	India	BARB CONFIGURATIONS FOR BARBED SUTURES	Publishe d	10122/DEL NP/2007		
Quill Medical, Inc.	India	BARBED SUTURES	Granted	1013/DELN P/2005	24207 1	
Quill Medical, Inc.	India	BARB CONFIGURATIONS FOR BARBED SUTURES	Pending	1011/DELN P/2005		15-Sep-09
Quill Medical, Inc.	India	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	1009/DELN P/2005	24154 4	
Quill Medical, Inc.	India	SUTURE METHODS AND DEVICES	Pending	6741/DELN P/2006		18-Nov-08
Quill Medical, Inc.	Ireland	MACHINE AND METHOD FOR PRODUCING A BARBED	Granted	05025816.9	16568 90	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		SUTURE				
Quill Medical, Inc.	Ireland	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	59 09913	
Quill Medical, Inc.	Ireland	METHOD AND SYSTEM USING A LASER TO PRODUCE BARBED SUTURES	Granted	07016222.7	03 18919	
Quill Medical, Inc.	Ireland	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	64 14296	
Quill Medical, Inc.	Ireland	SUTURE ANCHOR AND METHOD	Granted	03785177.1	11 15513	
Quill Medical, Inc.	Ireland	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	07017663.1	88 18672	
Quill Medical, Inc.	Ireland	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	43 18582	
Quill Medical, Inc.	Ireland	BARBED SUTURES	Granted	07015905.8	36 18572	
Quill Medical, Inc.	Ireland	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	46 15559	27-Jun-07

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Ireland	BARBED SUTURES	Granted	03752630.8	15606 83	
Quill Medical, Inc.	Ireland	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	15592 66	
Quill Medical, Inc.	Israel	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Allowed	160496		
Quill Medical, Inc.	Israel	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Pending	167394		
Quill Medical, Inc.	Israel	BARB CONFIGURATIONS FOR BARBED SUTURES	Pending	167424		
Quill Medical, Inc.	Israel	BARBED SUTURES	Pending	167580		
Quill Medical, Inc.	Israel	SUTURE METHODS AND DEVICES	Pending	179153		28-Apr-10
Quill Medical, Inc.	Italy	METHOD AND SYSTEM USING A LASER TO PRODUCE BARBED SUTURES	Granted	07016222.7	18919 03	
Quill Medical, Inc.	Italy	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	09913 59	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Italy	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	64 14296	
Quill Medical, Inc.	Italy	SUTURE ANCHOR AND METHOD	Granted	03785177.1	11 15513	
Quill Medical, Inc.	Italy	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	07017663.1	88 18672	
Quill Medical, Inc.	Italy	BARBED SUTURES	Granted	03752630.8	83 15606	
Quill Medical, Inc.	Italy	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	43 18582	
Quill Medical, Inc.	Italy	BARBED SUTURES	Granted	07015905.8	36 18572	07-Nov-07
Quill Medical, Inc.	Italy	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	46 15559	28-Mar-07
Quill Medical, Inc.	Italy	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	66 15592	18-Nov-09
Quill Medical, Inc.	Japan	INSERTING DEVICE FOR A BARBED TISSUE CONNECTOR	Granted	508682/96	91 37397	25-Nov-09

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Japan	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Pending	522377/2003		12-Sep-07
Quill Medical, Inc.	Japan	BARBED SUTURES	Granted	2004-541835	4493501	15-Aug-07
Quill Medical, Inc.	Japan	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Publishe d	2004-541829		
Quill Medical, Inc.	Japan	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Publishe d	2010-165813		
Quill Medical, Inc.	Japan	SUTURE METHODS AND DEVICES	Publishe d	2007-513452		
Quill Medical, Inc.	Japan	BARB CONFIGURATIONS FOR BARBED SUTURES	Publishe d	2010-003775		
Quill Medical, Inc.	Korea, Republic of	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	2004-7003142	10-0926085	
Quill Medical, Inc.	Korea, Republic of	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Pending	2005-7005522		
Quill Medical,	Korea,	BARBED	Pending	2005-		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc.	Republic of	SUTURES		7005524		
Quill Medical, Inc.	Korea, Republic of	BARB CONFIGURATIONS FOR BARBED SUTURES	Pending	2005-7005523		
Quill Medical, Inc.	Korea, Republic of	SUTURE METHODS AND DEVICES	Pending	2006-7023828		
Quill Medical, Inc.	Mexico	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	MX/a/2007/007700	261675	
Quill Medical, Inc.	Mexico	SURGICAL METHODS USING ONE-WAY SUTURE	Pending	MX/a/2010/000891		
Quill Medical, Inc.	Mexico	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	PA/a/2005/003459	249587	
Quill Medical, Inc.	Mexico	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	PA/a/1999/010692	273560	
Quill Medical, Inc.	Mexico	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	PA/a/2005/010826	254790	07-Nov-07
Quill Medical, Inc.	Mexico	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	PA/a/2004/001717	256030	28-Mar-07

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Mexico	METHOD FOR FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	MX/a/2007/009022	277353	12-Sep-07
Quill Medical, Inc.	Mexico	BARBED SUTURES	Granted	PA/a/2005/002876	257014	15-Aug-07
Quill Medical, Inc.	Mexico	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	PA/a/2005/002877	257015	10-Dec-08
Quill Medical, Inc.	Mexico	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Pending	MX/a/2008/002335		07-Nov-07
Quill Medical, Inc.	Mexico	BARBED SUTURES	Pending	MX/a/2008/002226		20-Jan-10
Quill Medical, Inc.	Mexico	SUTURE METHODS AND DEVICES	Granted	PA/a/2006/013177	273561	28-Mar-07
Quill Medical, Inc.	Netherlands	METHOD AND SYSTEM USING A LASER TO PRODUCE BARBED SUTURES	Granted	07016222.7	1891903	06-Oct-10
Quill Medical, Inc.	Netherlands	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	0991359	28-Apr-10
Quill Medical, Inc.	Netherlands	METHOD OF FORMING BARBS ON A SUTURE AND	Granted	02796449.3	1429664	12-Sep-07

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		APPARATUS FOR PERFORMING SAME				
Quill Medical, Inc.	Netherlands	SUTURE ANCHOR AND METHOD	Granted	03785177.1	15513 11	18-Nov-09
Quill Medical, Inc.	Netherlands	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	15592 66	25-Nov-09
Quill Medical, Inc.	Netherlands	BARBED SUTURES	Granted	07015905.8	18572 36	15-Aug-07
Quill Medical, Inc.	Netherlands	BARBED SUTURES	Granted	03752630.8	15606 83	15-Aug-07
Quill Medical, Inc.	Netherlands	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	07017663.1	18672 88	07-Nov-07
Quill Medical, Inc.	Netherlands	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	18582 43	20-Jan-10
Quill Medical, Inc.	Netherlands	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	15559 46	10-Dec-08
Quill Medical, Inc.	New Zealand	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	501224	50122 4	28-Mar-07
Quill Medical, Inc.	New Zealand	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	515820	51582 0	06-Oct-10



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	New Zealand	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	526233	3 52623	12-Sep-07
Quill Medical, Inc.	New Zealand	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	560667	7 56066	28-Apr-10
Quill Medical, Inc.	New Zealand	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	531262	2 53126	15-Aug-07
Quill Medical, Inc.	New Zealand	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	543927	7 54392	15-Aug-07
Quill Medical, Inc.	New Zealand	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	553414	4 55341	25-Nov-09
Quill Medical, Inc.	New Zealand	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	553413	3 55341	18-Nov-09
Quill Medical, Inc.	New Zealand	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	553412	2 55341	
Quill Medical,	New	BARB CONFIGURATIONS FOR	Granted	553415	55341	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc.	Zealand	BARBED SUTURES			5	
Quill Medical, Inc.	New Zealand	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	538748	8 53874	15-Aug-07
Quill Medical, Inc.	New Zealand	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	553411	1 55341	15-Aug-07
Quill Medical, Inc.	New Zealand	BARBED SUTURES	Granted	538771	1 53877	22-Oct-10
Quill Medical, Inc.	New Zealand	BARBED SUTURES	Granted	552641	1 55264	28-May-10
Quill Medical, Inc.	New Zealand	BARBED SUTURES	Granted	552640	0 55264	28-May-10
Quill Medical, Inc.	New Zealand	BARBED SUTURES	Granted	552642	2 55264	
Quill Medical, Inc.	New Zealand	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	538747	7 53874	12-Sep-07
Quill Medical, Inc.	New Zealand	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	553416	6 55341	
Quill Medical, Inc.	New Zealand	SUTURE METHODS AND DEVICES	Pending	588140		
Quill Medical, Inc.	Patent Cooperation	BIDIRECTIONAL SELF-RETAINING SUTURES WITH LASER-	Pending	PCT/US2010/060889		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
	Treaty	MARKED AND/OR NON-LASER MARKED INDICIA AND METHODS				
Quill Medical, Inc.	Portugal	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	64 14296	
Quill Medical, Inc.	Russian Federation	SUTURE METHOD	Granted	2004102518	58 23184	
Quill Medical, Inc.	Russian Federation	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Pending	2006137125		
Quill Medical, Inc.	Russian Federation	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	2004105594	62 22941	
Quill Medical, Inc.	Russian Federation	SUTURE METHOD	Granted	2005113280	33 23553	09-Aug-10
Quill Medical, Inc.	Russian Federation	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	2005113296	00 23721	
Quill Medical, Inc.	Russian Federation	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Pending	2005113295		12-Jul-10

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Russian Federation	SUTURE METHODS AND DEVICES	Allowed	2006144439		
Quill Medical, Inc.	Singapore	BARB CONFIGURATIONS FOR BARBED SUTURES	Published	200702350-0		10-Dec-08
Quill Medical, Inc.	Singapore	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	200501961-7	110940	07-Nov-07
Quill Medical, Inc.	Singapore	BARBED SUTURES	Published	200702622-2		20-Jan-10
Quill Medical, Inc.	Singapore	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	200501942-7	110933	28-Mar-07
Quill Medical, Inc.	Singapore	BARBED SUTURES	Published	200702625-5		06-Oct-10
Quill Medical, Inc.	Singapore	BARBED SUTURES	Published	200702623-0		28-Apr-10
Quill Medical, Inc.	Singapore	BARBED SUTURES	Published	200702624-8		18-Nov-09
Quill Medical, Inc.	Singapore	SUTURE METHODS AND DEVICES	Granted	200607803-4	127304	25-Nov-09
Quill Medical, Inc.	Singapore	SUTURE METHODS AND DEVICES	Published	201005218-1		12-Sep-07
Quill Medical, Inc.	South Africa	SUTURE METHODS AND DEVICES	Granted	2006/09428	2006/9428	15-Aug-07

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Spain	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	14296 64	15-Aug-07
Quill Medical, Inc.	Spain	SUTURE ANCHOR AND METHOD	Granted	03785177.1	15513 11	
Quill Medical, Inc.	Spain	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	07017663.1	18672 88	
Quill Medical, Inc.	Spain	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	15592 66	
Quill Medical, Inc.	Spain	BARBED SUTURES	Granted	03752630.8	15606 83	
Quill Medical, Inc.	Spain	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	15559 46	
Quill Medical, Inc.	Spain	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	18582 43	20-Jan-10
Quill Medical, Inc.	Spain	BARBED SUTURES	Granted	07015905.8	18572 36	07-Nov-07
Quill Medical, Inc.	Sweden	METHOD AND SYSTEM USING A LASER TO PRODUCE BARBED SUTURES	Granted	07016222.7	18919 03	28-Mar-07

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Sweden	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	09913 59	06-Oct-10
Quill Medical, Inc.	Sweden	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	14296 64	28-Apr-10
Quill Medical, Inc.	Sweden	SUTURE ANCHOR AND METHOD	Granted	03785177.1	15513 11	15-Aug-07
Quill Medical, Inc.	Sweden	BARBED SUTURES	Granted	07015905.8	18572 36	18-Nov-09
Quill Medical, Inc.	Sweden	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	15592 66	25-Nov-09
Quill Medical, Inc.	Sweden	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	15559 46	12-Sep-07
Quill Medical, Inc.	Sweden	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	18582 43	15-Aug-07
Quill Medical, Inc.	Sweden	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	07017663.1	18672 88	11-Nov-05
Quill Medical, Inc.	Switzerland	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	09913 59	

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	Switzerland	MACHINE AND METHOD FOR PRODUCING A BARBED SUTURE	Granted	05025816.9	1656890	16-Apr-10
Quill Medical, Inc.	Switzerland	METHOD AND SYSTEM USING A LASER TO PRODUCE BARBED SUTURES	Granted	07016222.7	1891903	
Quill Medical, Inc.	Switzerland	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	1429664	
Quill Medical, Inc.	Switzerland	SUTURE ANCHOR AND METHOD	Granted	03785177.1	1551311	
Quill Medical, Inc.	Switzerland	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	07017663.1	1867288	
Quill Medical, Inc.	Switzerland	BARBED SUTURES	Granted	03752630.8	1560683	03-Nov-09
Quill Medical, Inc.	Switzerland	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	1555946	
Quill Medical, Inc.	Switzerland	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	1858243	
Quill Medical, Inc.	Switzerland	BARBED SUTURE IN COMBINATION WITH	Granted	03770556.3	15592	

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Inc.	nd	SURGICAL NEEDLE			66	
Quill Medical, Inc.	Switzerland	BARBED SUTURES	Granted	07015905.8	18572 36	
Quill Medical, Inc.	Turkey	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	15592 66	27-Oct-08
Quill Medical, Inc.	Turkey	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03752630.8	15559 46	
Quill Medical, Inc.	Turkey	BARBED SUTURES	Granted	03752630.8	15606 83	27-Sep-07
Quill Medical, Inc.	United Kingdom	METHOD AND SYSTEM USING A LASER TO PRODUCE BARBED SUTURES	Granted	07016222.7	18919 03	22-Jan-10
Quill Medical, Inc.	United Kingdom	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	98923664.1	09913 59	15-Feb-08
Quill Medical, Inc.	United Kingdom	MACHINE AND METHOD FOR PRODUCING A BARBED SUTURE	Granted	05025816.9	16568 90	11-Feb-08
Quill Medical, Inc.	United Kingdom	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	02796449.3	14296 64	15-Jul-10



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	United Kingdom	SUTURE ANCHOR AND METHOD	Granted	03785177.1	11 15513	09-May-08
Quill Medical, Inc.	United Kingdom	BARBED SUTURES	Granted	07015905.8	36 18572	09-May-08
Quill Medical, Inc.	United Kingdom	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	07015906.6	43 18582	
Quill Medical, Inc.	United Kingdom	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Granted	03770556.3	66 15592	
Quill Medical, Inc.	United Kingdom	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	03754965.6	46 15559	22-Jan-10
Quill Medical, Inc.	United Kingdom	BARBED SUTURES	Granted	03752630.8	83 15606	20-Jan-10
Quill Medical, Inc.	United Kingdom	BARB CONFIGURATIONS FOR BARBED SUTURES	Granted	07017663.1	88 18672	07-Nov-07
Quill Medical, Inc.	United States of America	INSERTING DEVICE FOR A BARBED TISSUE CONNECTOR	Granted	08/055870	76 53423	28-Mar-07
Quill Medical, Inc.	United States of America	BARBED BODILY TISSUE CONNECTOR	Granted	08/324529	47 62417	06-Oct-10

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Quill Medical, Inc.	United States of America	SURGICAL METHODS USING ONE-WAY SUTURE	Granted	08/859887	59318 55	15-Aug-07
Quill Medical, Inc.	United States of America	SUTURE METHOD	Granted	09/896455	65993 10	25-Nov-09
Quill Medical, Inc.	United States of America	SURGICAL METHODS USING ONE-WAY SUTURE	Pending	09/919750		15-Aug-07
Quill Medical, Inc.	United States of America	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	09/943733	68481 52	28-Apr-10
Quill Medical, Inc.	United States of America	SUTURE ANCHOR AND METHOD	Granted	10/216516	67734 50	18-Nov-09
Quill Medical, Inc.	United States of America	SUTURE METHOD	Granted	10/065256	70563 31	12-Sep-07
Quill Medical, Inc.	United States of America	BARB CONFIGURATIONS FOR BARBED SUTURES	Publishe d	10/065279		10-Jun-02
Quill Medical, Inc.	United States of America	BARBED SUTURES	Publishe d	10/065280		09-Mar-04
Quill Medical, Inc.	United States of	BARBED BODILY	Granted	10/420119	72264	07-Jul-05

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Inc.	America	TISSUE CONNECTOR			68	
Quill Medical, Inc.	United States of America	APPARATUS AND METHOD FOR FORMING BARBS ON A SUTURE	Granted	10/437144	76244 87	11-Jun-09
Quill Medical, Inc.	United States of America	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Granted	10/486123	72255 12	06-Apr-06
Quill Medical, Inc.	United States of America	SUTURE ANCHOR AND METHOD	Granted	10/914755	73712 53	10-Jan-08
Quill Medical, Inc.	United States of America	SUTURE METHODS AND DEVICES	Publishe d	10/908539		11-Dec-08
Quill Medical, Inc.	United States of America	SUTURE METHOD	Publishe d	11/307520		11-Dec-08
Quill Medical, Inc.	United States of America	SUTURE NEEDLE COMBINATION	Pending	11/440631		11-Dec-08
Quill Medical, Inc.	United States of America	ONE-WAY SUTURE	Pending	11/440621		11-Dec-08
Quill Medical, Inc.	United States of America	APPARATUS FOR FORMING BARBS ON A SUTURE	Publishe d	10/556419		03-Apr-08

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	United States of America	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	Allowed	11/691845		11-Dec-08
Quill Medical, Inc.	United States of America	BARBED TISSUE CONNECTOR	Publishe d	11/747085		15-May-08
Quill Medical, Inc.	United States of America	SUTURE METHOD	Granted	11/747707	78578 29	11-Sep-08
Quill Medical, Inc.	United States of America	BARBED TISSUE CONNECTOR	Granted	11/968494	78069 08	26-Sep-08
Quill Medical, Inc.	United States of America	MATRIX MATERIAL	Publishe d	12/043391		12-Feb-09
Quill Medical, Inc.	United States of America	SUTURE ANCHOR AND METHOD	Publishe d	12/119749		13-Dec-07
Quill Medical, Inc.	United States of America	BARBED SUTURE IN COMBINATION WITH SURGICAL NEEDLE	Publishe d	12/495497		11-Dec-08
Quill Medical, Inc.	United States of America	DOUBLE ENDED BARBED SUTURE WITH AN INTERMEDIATE BODY	Publishe d	12/849960		

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	United States of America	MULTIPLE SUTURE THREAD CONFIGURATION WITH AN INTERMEDIATE CONNECTOR	Publishe d	12/849983		
Quill Medical, Inc.	United States of America	SUTURES WITH AN INTERMEDIATE BARBED BODY	Publishe d	12/849977		28-Mar-07
Quill Medical, Inc.	United States of America	MULTIPLE SUTURE THREAD CONFIGURATION WITH AN INTERMEDIATE CONNECTOR	Publishe d	12/849969		10-Mar-08
Quill Medical, Inc.	United States of America	TISSUE CONNECTOR WITH TISSUE GRASPING PROTRUSIONS EQUALLY SPACED ABOUT THE PERIPHERY OF THE CONNECTOR AT SUCCESSIVE AXIAL LOCATIONS	Publishe d	12/849884		
Quill Medical, Inc.	United States of America	SELF-RETAINING WOUND CLOSURE DEVICE INCLUDING AN ANCHORING LOOP	Publishe d	12/849956		27-Feb-07
Quill Medical, Inc.	United States of America	SUBCUTANEOUS SINUSOIDAL WOUND CLOSURE UTILIZING ONE-WAY SUTURE	Publishe d	12/850336		20-May-09

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
Quill Medical, Inc.	United States of America	SUTURE WITH A POINTED END AND AN ANCHOR END AND WITH EQUALLY SPACED TISSUE GRASPING PROTRUSIONS LOCATED AT SUCCESSIVE AXIAL LOCATIONS	Publishe d	12/849895		12-May-09
Quill Medical, Inc.	United States of America	TISSUE CONNECTOR WITH YIELDABLE BARBS EQUALLY SPACED ABOUT THE PERIPHERY OF THE CONNECTOR AT SUCCESSIVE AXIAL LOCATIONS	Publishe d	12/849901		
Quill Medical, Inc.	United States of America	SUTURE WITH A POINTED END AND AN ANCHOR END AND WITH EQUALLY SPACED YIELDABLE TISSUE GRASPING BARBS LOCATED AT SUCCESSIVE AXIAL LOCATIONS	Publishe d	12/849946		
Quill Medical, Inc.	United States of America	CONTINUOUS STITCH WOUND CLOSURE UTILIZING ONE-WAY SUTURE	Publishe d	12/850186		
Quill Medical, Inc.	United States of America	CONTINUOUS METHOD ANASTOMOSIS USING SELF-RETAINING	Publishe d	12/850230		31-Jul-07

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
		SUTURES				
Quill Medical, Inc.	United States of America	METHOD FOR VARIABLE-ANGLE CUTTING OF A SUTURE TO CREATE TISSUE RETAINERS OF A DESIRED SHAPE AND SIZE	Allowed	12/850455		
Quill Medical, Inc.	United States of America	ENDOSCOPIC SYSTEMS USING SELF-RETAINING SUTURES	Publishe d	12/850289		29-Jun-07
Quill Medical, Inc.	United States of America	SYSTEM FOR VARIABLE-ANGLE CUTTING OF A SUTURE TO CREATE TISSUE RETAINERS OF A DESIRED SHAPE AND SIZE	Publishe d	12/850397		
Quill Medical, Inc.	United States of America	ANASTOMOSIS METHOD USING SELF-RETAINING SUTURES	Publishe d	12/850362		
Quill Medical, Inc.	United States of America	SELF-RETAINING SUTURES HAVING EFFECTIVE HOLDING STRENGTH AND TENSILE STRENGTH	Publishe d	12/850035		
Quill Medical, Inc.	United States of	METHOD FOR CUTTING A SUTURE TO CREATE TISSUE	Publishe d	12/850433		31-Aug-10

Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
	America	RETAINERS OF A DESIRED SHAPE AND SIZE				
Quill Medical, Inc.	United States of America	AUTOMATED METHOD FOR CUTTING TISSUE RETAINERS ON A SUTURE	Publishe d	12/850447		
Quill Medical, Inc.	United States of America	SYSTEM FOR SUPPORTING AND CUTTING SUTURE THREAD TO CREATE TISSUE RETAINERS THEREON	Publishe d	12/850467		30-Apr-08
Quill Medical, Inc.	United States of America	SYSTEM FOR CUTTING A SUTURE TO CREATE TISSUE RETAINERS OF A DESIRED SHAPE AND SIZE	Publishe d	12/850480		28-Mar-07
Quill Medical, Inc.	United States of America	AUTOMATED SYSTEM FOR CUTTING TISSUE RETAINERS ON A SUTURE	Allowed	12/850498		06-Oct-10
Quill Medical, Inc.	United States of America	SUTURES WITH BARBS THAT OVERLAP AND COVER PROJECTIONS	Publishe d	12/849991		28-Apr-10
Quill Medical, Inc.	United States of	METHODS FOR CUTTING A SUTURE TO CRATE TISSUE RETAINERS ON THE	Allowed	12/850408		15-Aug-07



Owner Name	Country	App Title	Status	App No.	Pat No.	Issue Dt.
	America	SURFACE OF THE SUTURE				
Quill Medical, Inc.	United States of America	METHODS FOR USING SELF-RETAINING SUTURES IN ENDOSCOPIC PROCEDURES	Published	12/850263		15-Aug-07
Quill Medical, Inc.	United States of America	SELF-RETAINING SUTURES HAVING EFFECTIVE HOLDING STRENGTH AND TENSILE STRENGTH	Published	12/850063		12-Sep-07
Quill Medical, Inc.	United States of America	BARBED SUTURE CREATED HAVING BARBS DEFINED BY VARIABLE-ANGLE CUT	Pending	12/972802		18-Nov-09
Angiotech Pharmaceuticals (US), Inc.	United States of America	SHAVING AIDS AND DEVICES AND METHODS OF MANUFACTURE	Pending	61/443045		25-Nov-09
Angiotech Pharmaceuticals, Inc.	United States of America	SELF-RETAINING VARIABLE LOOP SUTURES	Pending	61/466924		20-Jan-10