

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3276930

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
ARSTASIS, INC.		03/12/2015
RECEIVING PARTY DATA		
Name:	GREENHEART INVESTMENTS, LLC	
Street Address:	68 WILLOW ROAD	
City:	MENLO PARK	
State/Country:	CALIFORNIA	
Postal Code:	94025	
PROPERTY NUMBERS Total: 43		
Property Type	Number	
Application Number:	10844247	
Application Number:	11544196	
Application Number:	11545272	
Application Number:	11544365	
Application Number:	11544177	
Application Number:	11544149	
Application Number:	13332889	
PCT Number:	US0516623	
Application Number:	10888682	
Application Number:	12693395	
PCT Number:	US0523107	
Application Number:	60680388	
Application Number:	11432982	
Application Number:	11544317	
Application Number:	11788509	
Application Number:	12467251	
PCT Number:	US0618915	
Application Number:	11873957	
Application Number:	13289997	
Application Number:	61082449	

PATENT

Property Type	Number
Application Number:	12507038
PCT Number:	US0951317
Application Number:	61119316
Application Number:	12507043
PCT Number:	US0951320
Application Number:	61178895
Application Number:	12780768
PCT Number:	US1035001
Application Number:	61244831
Application Number:	12888309
PCT Number:	US1049859
Application Number:	61294103
Application Number:	13004848
PCT Number:	US1120893
Application Number:	61652104
Application Number:	13902579
Application Number:	61652108
Application Number:	13902592
Application Number:	61652112
Application Number:	13902599
PCT Number:	US1342743
Application Number:	61678306
Application Number:	61678324

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: TDinh@mofo.com

Correspondent Name: MORRISON & FOERSTER LLP

Address Line 1: 425 MARKET STREET

Address Line 4: SAN FRANCISCO, CALIFORNIA 94105

ATTORNEY DOCKET NUMBER:	69179-1
NAME OF SUBMITTER:	TUAN DINH
SIGNATURE:	/Tuan Dinh/
DATE SIGNED:	03/23/2015

Total Attachments: 25

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (this “Intellectual Property Security Agreement”) is made as of March 12, 2015, between Arstasis, Inc., a Delaware corporation (“Debtor”), and Greenheart Investments, LLC (the “Secured Party”).

RECITALS

WHEREAS, the Secured Party shall purchase Notes from the Debtor, the obligations under which shall be secured by a grant by the Debtor to the Secured Party of a security interest in all of the assets of the Debtor pursuant to that certain Security Agreement dated as of even date herewith (including all exhibits or schedules thereto, as from time to time amended, restated, supplemented or otherwise modified, the “Security Agreement”) and this Intellectual Property Security Agreement.

AGREEMENT

Now, therefore, in consideration of the promises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Debtor 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.

2. Grant of Security Interest in IP Collateral. As security for the payment and performance of the Obligations, Debtor hereby grants to the Secured Party, a security interest in all of Debtor’s right, title and interest in, to and under the following, whether presently existing or hereafter created or acquired (collectively, the “IP Collateral”):

(a) all of Debtor’s patents, patent applications, and rights in or to patent licenses to which it is a party including those referred to on Schedule I hereto;

(b) all reissues, continuations, continuations-in-part, substitutes, extensions or renewals of, and improvements on, of the foregoing;

(c) all products and proceeds of the foregoing item (a) and (b), including, without limitation, any claim by Debtor against third parties for past, present or future infringement or dilution of any patent or any patent licensed under any license;

(d) all of Debtor’s trademarks, trademark applications and rights in or to trademark licenses to which it is a party including those referred to on Schedule II hereto;

(e) all reissues, continuations, extensions, modifications and renewals of the foregoing;

(f) all goodwill of the business connected with the use of, and symbolized by, each trademark and each trademark license;

(g) all products and proceeds of the foregoing items (d) through (f), including, without limitation, any claim by Debtor against third parties for past, present or future (i) infringement or dilution of any trademark or any trademark licensed under any license or (ii) injury to the goodwill associated with any trademark or any trademark licensed under any license;

(h) all of Debtor's copyrights, copyright applications and rights in or to copyright licenses to which it is a party including those referred to on Schedule III hereto;

(i) all reissues, continuations, restorations, reversions, renewals or extensions of the foregoing; and

(j) all products and proceeds of the foregoing items (h) and (i), including, without limitation, any claim by Debtor against third parties for past, present or future infringement or dilution of any copyright or any copyright licensed under any license.

3. Security Agreement. The security interests granted pursuant to this Intellectual Property Security Agreement are granted in conjunction with the security interests granted to the Secured Party pursuant to the Security Agreement. Debtor hereby acknowledges and affirms that the rights and remedies of the Secured Party with respect to the security interest in the IP 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.

4. Authorization to File. Debtor authorizes Secured Party to file this Intellectual Property Security Agreement (and amendments and supplements hereof) in the United States Patent and Trademark Office, the United States Copyright Office and any other office that the Secured Party deems necessary or appropriate.

5. Authorization To Supplement. If Debtor shall obtain rights to (a) 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, (b) any new trademarks or application therefor, or (c) any new copyright or application therefor, the provisions of this Intellectual Property Security Agreement shall automatically apply thereto. Debtor shall give prompt notice in writing to the Secured Party with respect to any such new rights. Without limiting Debtor's obligations under this Section 5, Debtor hereby authorizes the Secured Party unilaterally to modify this Intellectual Property Security Agreement by amending the applicable schedule to include any such new rights of Debtor. Notwithstanding the foregoing, no failure to so modify this Intellectual Property Security Agreement or amend any schedule shall in any way affect, invalidate or detract from the Secured Party's continuing security interest in all IP Collateral, whether or not listed on a schedule.

6. Counterparts. This Intellectual Property 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 Intellectual Property Security Agreement or any other Documents in any judicial proceedings, it shall not be necessary to produce or account for more than one such counterpart signed by the

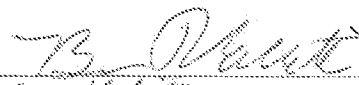
party against whom such enforcement is sought. Any signatures delivered by a party by facsimile transmission or by e-mail transmission shall be deemed an original signature hereto.

[SIGNATURE PAGES FOLLOW]

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

DEBTOR:

ARSTASIS, INC.

By: 

Name: Bruce Pledant

Title: President & CEO

Address: Arstasis, Inc.
6500 Kaiser Dr., Ste. 120
Fremont, CA 94555
Facsimile: (650) 412-2492

SECURED PARTY:

GREENHEART INVESTMENTS, LLC

DocuSigned by:



Name: Scott Hassan

Title: Manager

Address: Greenheart Investments, LLC
68 Willow Road
Menlo Park, California 94025

Facsimile: _____

S-1

[SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]

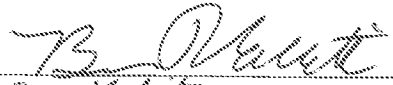
pa-1684792

PATENT
REEL: 035228 FRAME: 0847

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

DEBTOR:

ARSTASIS, INC.

By: 
Name: Bryce Modest
Title: President & CEO

Address: Arstasis, Inc.
6500 Kaiser Dr., Ste. 120
Fremont, CA 94555
Facsimile: (650) 412-2492

SECURED PARTY:

GREENHEART INVESTMENTS, LLC

Name: Scott Hassan
Title: Manager

Address: Greenheart Investments, LLC
68 Willow Road
Menlo Park, California 94025

Facsimile: _____

S-I

[SIGNATURE PAGE TO INTELLECTUAL PROPERTY SECURITY AGREEMENT]

pa-1684792

PATENT
REEL: 035228 FRAME: 0848

SCHEDULE I
TO
INTELLECTUAL PROPERTY SECURITY AGREEMENT

PATENTS

Country	Patent	Patent Number	Date
	SEE ATTACHED PORFOLIO REPORT		

PATENT APPLICATIONS

Country	Patent	Application Number	Date
	SEE ATTACHED PORFOLIO REPORT		

PATENT LICENSES

SCHEDULE II
TO
INTELLECTUAL PROPERTY SECURITY AGREEMENT

TRADEMARK REGISTRATIONS

Country	Mark	Registration No.	Reg Date
	SEE ATTACHED PORFOLIO REPORT		

TRADEMARK APPLICATIONS

Country	Mark	Application No.	App Date
	NONE		

TRADE NAMES

COMMON LAW TRADEMARKS

TRADEMARKS NOT CURRENTLY IN USE

TRADEMARK LICENSES

SCHEDULE III
TO
INTELLECTUAL PROPERTY SECURITY AGREEMENT

COPYRIGHT REGISTRATIONS

Country	Copyright	Reg No.	Reg Date
	NONE		

COPYRIGHT APPLICATIONS

Country	Copyright	App No.	App Date
	NONE		

COPYRIGHT LICENSE

NONE

Vista IP Law Group, LLP

Trademark Status Report for Arstasis, Inc. March 12, 2015

<u>Vista IP Docket Number</u>	<u>Mark</u> <u>Serial Number</u> <u>Registration Number</u> <u>Applicant</u>	<u>Country</u>	<u>Class/Goods and Services</u>	<u>Status</u>
ARS-6001	ARSTASIS Serial No: 78/413,757 Reg. No: 3,313,447 Arstasis, Inc.	United States	Class: 10 Surgical instruments, namely, arterial access and closure instruments.	Registered App Date: 5/5/2004 Reg. Date: 10/16/2007 Renewal Date: 10/16/2017
ARS-6004	NO PLUG NO SUTURE NO STAPLE NO KIDDING! Serial No: 85/091,537 Reg. No: 3,934,422 Arstasis, Inc.	United States	Class: 10 Surgical instruments, namely, arterial access and closure instruments and laparoscopic surgical instruments.	Registered App Date: 7/23/2010 Reg. Date: 3/22/2011 8&15 Due Date: 3/22/2017 Renewal Date: 3/22/2021
ARS-6006.10	ARSTA-OTOMY Serial No: 008410359 Reg. No: 008410359 Arstasis, Inc.	European Community	Class: 44 Medical services	Registered App Date: 7/7/2009 Reg. Date: 1/12/2010 Renewal Date: 7/7/2019
ARS-6007	NOT SINCE SELDINGER... Serial No: 77/693,892 Reg. No: 3,783,410 Arstasis, Inc.	United States	Class: 10 Surgical instruments, namely, arterial access and closure instruments and laparoscopic surgical instruments	Registered App Date: 3/18/2009 Reg. Date: 5/4/2010 8&15 Due Date: 5/4/2016 Renewal Date: 5/4/2020
ARS-6008	A NEW ANGLE ON ARTERIOTOMY Serial No: 77/693,905 Reg. No: 3,692,121 Arstasis, Inc.	United States	Class: 10 Surgical instruments, namely, arterial access and closure instruments and laparoscopic surgical instruments	Registered App Date: 3/18/2009 Reg. Date: 10/6/2009 8&15 Due Date: 10/6/2015 Renewal Date: 10/6/2019

Vista IP Law Group, LLP

<u>Vista IP Docket Number</u>	<u>Mark</u> <u>Serial Number</u> <u>Registration Number</u> <u>Applicant</u>	<u>Country</u>	<u>Class/Goods and Services</u>	<u>Status</u>
ARS-6009	AXERA Serial No: 85/977,597 Reg. No: 4,231,587 Arstasis, Inc.	United States	Class: 10 Surgical instruments, namely, arterial access and closure instruments	Registered App Date: 1/13/2011 Reg. Date: 10/23/12 8&15 Due Date: 10/23/18 Renewal Date: 10/23/22
ARS-6009 DIV	AXERA Serial No: 85/217,412 Reg. No: Arstasis, Inc.	United States	Class: 10 Surgical instruments, namely, laparoscopic surgical instruments	Abandoned per client's instructions on 1/18/13; no laparoscopic device under this mark
ARS-6009	AXERA Serial No: 010112142 Reg. No: Arstasis, Inc.	European Community	Class: 10 Surgical instruments, namely, arterial access and closure instruments and laparoscopic surgical instruments	Registered App Date: 1/13/11 Reg. Date: 11/14/11 Use in EU Due: 11/14/16 (unextendable) Renewal Date: 7/11/21
ARS-6009	AXERA Serial No: 1535103 Reg. No: Arstasis, Inc.	Canada	Class: 10 Surgical instruments, namely, arterial access and closure instruments	Registered App Date: 1/13/11 Reg. Date: 7/24/13 Renewal Date: 7/24/2028
ARS-6009	AXERA Serial No: 1435944 Reg. No: 1435944 Arstasis, Inc.	Australia	Class: 10 Surgical instruments, namely, arterial access and closure instruments and laparoscopic surgical instruments	Registered App Date: 1/13/11 Reg. Date: 11/14/11 Use in AU Due: 7/11/16 (unextendable) Renewal Date: 7/11/21

Vista IP Law Group, LLP

<u>Vista IP Docket Number</u>	<u>Mark</u> <u>Serial Number</u> <u>Registration Number</u> <u>Applicant</u>	<u>Country</u>	<u>Class/Goods and Services</u>	<u>Status</u>
ARS-6009	AXERA Serial No: 2011-048877 Reg. No: Arstasis, Inc.	Japan	Class: 10 Surgical instruments, namely, arterial access and closure instruments and laparoscopic surgical instruments	Abandoned in view of prior JP registered mark per OA App Date: 1/13/11
ARS-6006	ARSTÁ-OTOMY Serial No: 77/646.690 Reg. No: Arstasis, Inc.	United States	Class: 44 Medical services	Abandoned per client's instructions on 7/26/12 App Date: 1/9/2009

DE KLERK & LUNDMARK

ARSTASIS PATENT STATUS REPORT
As of July 22, 2013

Docket No.	Application Serial No. & Patent No.	First named inventor	Title	Status
20001.00 US	10/844,247 5/12/04	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Response to Non Final Office Action due 08/16/2013 (extendable to 11/16/13)
20001.01 CON1	11/544,196 10/6/06 CON of 10/844,247	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Issued as USP 8,002,791 on 8/23/11
20001.02 CON2	11/545,272 10/6/06 CON of 10/844,247	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Mtc fee due 2/23/15 Issued as USP 8,002,793 on 8/23/11
20001.03 CON3	11/544,365 10/6/06 CON of 10/844,247	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Mtc fee due 2/23/15 Issued as USP 8,002,792 on 8/23/11
20001.04 CON4	11/544,177 10/6/06 CON of 10/844,247	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Mtc fee due 2/23/15 Issued as USP 7,998,169 on 8/16/11
20001.05 CON5	11/544,149 10/6/06 CON of 10/844,247	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Mtc fees due 2/16/15 Issued as USP 8,012,168 on 9/6/11
20001.06 CON6	13/332,889 12/21/11	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Mtc fee due 3/6/15 Response to Final Office Action due 09/06/2013 (extendable to 12/06/13)

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ARSTASIS PATENT STATUS REPORT
As of July 22, 2013

20001.40 WO	PCT/US05/16623 5/12/2005 Based on 10/844,247	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	National Phase filed in AU CA CN EP IL JP HK
20001.41 AU	2005244834 Based on PCT/US05/16623	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Abandoned in favor of DIV -- application not accepted by final deadline of 1/13/12
20001.42 CA	2,566,743 Based on PCT/US05/16623	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Response to OA due 09/08/2013
20001.43 CN	200580023327 Based on PCT/US05/16623	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Annuity due 5/12/14 Response to OA due 09/25/2013
20001.44 EP	05747814.1 Based on PCT/US05/16623 Priority of 10/844,247	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Response to OA filed on 05/13/2013 -- Awaiting continued examination. Annuity due 5/12/14
20001.45 IL	179173 Based on PCT/US05/16623	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Response to OA-2 filed on 12/25/2012
20001.46 JP	2007-0513356 Based on PCT/US05/16623	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Issued as JP Pat. No. 4871268 on 11/25/11 Annuity due 11/25/14

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ARSTASIS PATENT STATUS REPORT
As of July 22, 2013

20001.47 HK1	07108457.2 8/3/07 Based on EP 05747814.1	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Pending over EP appl.
20001.48 EPDIV1	08011884.7 DIV of 05747814.1 Based on PCT/US05/16623	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Response to Exam Report filed on 09/10/12 Annuity due 5/12/14
20001.49 JPDIV1	2008-123950 DIV of 2007-513356 Based on PCT/US05/16623	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Appeal Rejected 4/24/2012 – Appeal to High Court due 8/22/2013. Will abandon in favor of 20001.54 JPDIV3
20001.50 HK2	09102737.5 3/29/09 Based on EP 08011884.7	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Pending over EP appl.
20001.51 JPDIV2	2010-181964 DIV of 2007-513356 Based on PCT/US05/16623	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Notice of Appeal in Response to Final OA due 07/29/2013 (unextendable) Will abandon in favor of 20001.54 JPDIV3.
20001.52 EPDIV2	12156932.1 Div of 05747814.1	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Response to Search Opinion filed 07/02/2013. Annuity due 5/12/14
20001.53 AUDIV	2012200175 Div of 2005244834 Based on PCT/US05/16623	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Response to First Exam Report due 11/01/2013 Annuity due 5/12/14

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ARSTASIS PATENT STATUS REPORT
As of July 22, 2013

20001.54 JPDIV3	2012-61872 DIV of 2008- 0123950	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Response to OA due 9/19/2013 (extendable to 12/19/2013)
20002.00 US	10/888,682 7/10/04 USP 7678133	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Issued as USPN 7,678,133 on 3/16/10
20002.10 DIV	12/693,395 1/25/10 DIV of 10/888,682	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Micro fees due 9/16/13 Awaiting Examination
20002.40 WO	PCT/US05/23107 6/30/05 Based on 10/888,682	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	National Phase filed in AU CA CN EP IL JP
20002.41 AU	2005-272102 Based on PCT/US05/23107	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Abandoned in favor of DIV -- application not accepted by final deadline of 3/14/12
20002.42 CA	2,573,065 Based on PCT/US05/23107	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Response to OA due 09/08/2013 Annuity due 6/30/14
20002.43 CN	2005800293656 Based on PCT/US05/23107	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Response to OA4 due 9/7/2013 (unextendable)
20002.44 EP	05787529.6 Based on PCT/US05/23107	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Annuity due 6/30/14 Awaiting Examination Annuity due 6/30/14

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ARSTASIS PATENT STATUS REPORT
As of July 22, 2013

20002.45 IL	180497 Based on PCT/US05/23107	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Abandoned - peripheral technology
20002.46 JP	2007-0520363 Based on PCT/US05/23107	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Issued as Japan Patent No.: 5060291 on 8/10/12
20002.47 JPDIV1	2010-0002400 DIV of 2007-520363	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Annuity due 8/10/15 Response to Final OA due 08/25/2013
20002.48 AUDIV	Not Yet Known Div of 2005-272102	D. Bruce Modesitt	BIOLOGICAL TISSUE CLOSURE DEVICE AND METHOD	Response to Exam Report due 10/15/13
30003.00 US	60/680,388 5/12/05	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Annuity due 6/30/14 Filed utility & PCT
20003.00 US	11/432,982 5/12/06 Based on 60/680,388	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Issued as USPN 8,241,325 on 8/14/12
20003.01 CON1	11/544,317 10/6/06 CON of 11/432,982	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Mtce fees due 2/14/16 USP 8,083,767 issued 12/27/11
20003.02 CON2	11/788,509 4/19/07 CON of 11/432,982	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Mtce fee due 6/27/15 USP 8,002,794 issued 8/23/11 Mtce fee due 2/23/15

DE KLERK & LUNDMARK

ARSTASIS PATENT STATUS REPORT
As of July 22, 2013

20003.03 CON3	12/467,251 5/15/09 CON of 11/432,982	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Response to Non Final Office Action due 5/4/2013 (Final Deadline is 8/4/13)
20003.40 WO	PCT/US06/18915 05/12/06 Based on 60/680,388	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	National Phase filed in AU CA CN EP IL HK JP
20003.41 AU	2006-247355 Based on PCT/US06/18915	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Granted on 4/26/2013
20003.42 CA	2,607,387 Based on PCT/US06/18915	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Annuity due 5/12/14 Awaiting Examination
20003.43 CN	2006800252468 Based on PCT/US06/18915	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Annuity due 5/12/14 Granted 12/25/2012
20003.44 EP	06770440.3 Based on PCT/US06/18915	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Annuity due 5/12/2014 Awaiting examination
20003.45 IL	187109 Based on PCT/US06/18915	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Annuity due 5/12/14 Awaiting Examination
20003.46 JP	2008-0511478 Based on PCT/US06/18915	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Issued as Japan Patent No.: 5140800 on 11/30/2012
20003.47 HK	08108990.5 Based on EP 06770440.3 And PCT/US06/18915	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Annuity due 11/30/2015 Awaiting registration

DE KLERK & LUNDMARK

ARSTASIS PATENT STATUS REPORT
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20003.48 JPDIV	2010-0101185 DIV of 2008-511478	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Allowed
20003.49 CNDIV	Not Yet Known DIV of 2006800252468 Based on PCT/US06/18915	D. Bruce Modesitt	ACCESS AND CLOSURE DEVICE AND METHOD	Registration Fees Due 08/15/2013 Divisional filed 03/11/2013
20004.00 US	11/873,957 10/17/07	D. Bruce Modesitt, et al.	METHODS FOR FORMING TRACTS IN TISSUE	Abandoned in favor of CON appl.
20004.01 US	13/289,997 11/4/11 Cont of 11/873,957	D. Bruce Modesitt, et al.	METHODS FOR FORMING TRACTS IN TISSUE	Response to Non Final Office Action due 08/01/2013 (Final Deadline 10/1/2013)
30005.00 US	61/082,449 7/21/08	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Filed utility & PCT
20005.00 US	12/507,038 7/21/09 Based on 61/082,449	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Response to Final Office Action due 08/08/2013 (Final Deadline is 10/8/2013)
20005.40 WO	PCT/US09/51317 7/21/09 Based on 61/082,449	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Nat'l in AU CA EP CN HK JP IL

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20005.41 EP	09800907.9 7/21/09 Based on PCT/US09/51317	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination Annuity due 7/21/14
20005.42 AU	2009274127 7/21/09 Based on PCT/US09/51317	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Examination Requested 05/17/2013 Annuity due 7/21/14
20005.43 CA	2,731,435 7/21/09 Based on PCT/US09/51317	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Request for Exam due 7/21/14 Annuity due 7/21/12
20005.44 CN	200980135885.3 7/21/09 Based on PCT/US09/51317	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Response to OA filed on 05/22/2013
20005.45 HK	11105419 7/21/09 Based on PCT/US09/51317	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Pending over EP appl.
20005.46 JP	2011-520145 7/21/09 Based on PCT/US09/51317	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
20005.47 IL	210754 Based on PCT/US09/51317	Michael Drews, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
30006.00 US	61/119,316 12/2/08	Michael Drews, et al.	DEVICES AND METHODS FOR FORMING TRACTS IN TISSUE	Filed utility & PCT

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20006.00 US	12/507,043 7/21/09 Based on 61/082,449 and 61/119,316	Michael Drews, et al.	DEVICES AND METHODS FOR FORMING TRACTS IN TISSUE	Response to Final Office A due 7/28/13 (Final Deadline is 9/28/2013)
20006.40 WO	PCT/US09/51320 7/21/09 Based on 61/082,449 and 61/119,316	Michael Drews, et al.	DEVICES, AND METHODS FOR FORMING TRACTS IN TISSUE	Nat'l in AU CA EP CN HK JP IL
20006.41 EP	09800908.7 7/21/09 Based on PCT/US09/51320	Michael Drews, et al.	DEVICES, AND METHODS FOR FORMING TRACTS IN TISSUE	Awaiting Examination Annuity due 7/21/14
20006.42 AU	2009274128 7/21/09 Based on PCT/US09/51320	Michael Drews, et al.	DEVICES, AND METHODS FOR FORMING TRACTS IN TISSUE	Examination Requested 05/17/2013 Annuity due 7/21/14
20006.43 CA	2,731,493 7/21/09 Based on PCT/US09/51320	Michael Drews, et al.	DEVICES AND METHODS FOR FORMING TRACTS IN TISSUE	Request for exam due 7/21/2014 Annuity due 7/21/14
20006.44 CN	200980136531.0 7/21/09 Based on PCT/US09/51320	Michael Drews, et al.	DEVICES, AND METHODS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
20006.45 HK	11105418 7/21/09 Based on PCT/US09/51320	Michael Drews, et al.	DEVICES, AND METHODS FOR FORMING TRACTS IN TISSUE	Pending over EP appl.

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20006.46 JP	2011-520146 7/21/09 Based on PCT/US09/51320	Michael Drews, et al.	DEVICES, AND METHODS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
20006.47 IL	210755 7/21/09 Based on PCT/US09/51320	Michael Drews, et al.	DEVICES, AND METHODS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
30008.00 US	61/178,895 5/15/09		DEVICES AND METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Filed utility & PCT
20008.00 US	12/780,768 5/14/10 Based on 61/178,895	Michael Drews et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
20008.40 WO	PCT/US10/35001 5/14/10 Based on 61/178,895	Michael Drews et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Nat'l in AU CA CN EP IL JP
20008.41 EP	10775637.1 5/14/10	Michael Drews et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
20008.42 AU	2010248821 5/14/10	Michael Drews et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Annuity due 5/14/14 Request for examination due 5/14/15
20008.43 CA	2761677 5/14/10	Michael Drews et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Annuity due 5/14/14 Request for exam due 5/14/15 Annuity due 5/14/14

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2008.44 CN	201080030881.1 5/14/10	Michael Drews et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting examination
2008.45 HK	12103984.8 5/14/10	Michael Drews et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Annuitly due 5/14/14
2008.46 JP	2012-511057 5/14/10	Michael Drews et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Pending over EP appl.
2008.47 IL	216263 5/14/10	Michael Drews et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
3009.00 US	61/244,831 9/22/09		DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting examination
2009.00 US	12/888,309 9/22/10 Based on 61/244,831	D. Bruce Modesitt, et al.	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Filed utility + PCT
2009.40 WO	PCT/US10/49859 9/22/10 Based on 61/244,831	D. Bruce Modesitt	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Response to Non Final Office Action due 08/10/13 (Final Deadline is 10/10/2013)
2009.41 EP	10819407.7 9/22/10 Based on PCT/US10/49859	D. Bruce Modesitt	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Nat'l in AU CA CN EP HK JP and IL
2009.42 AU	2010298315 9/22/10 Based on PCT/US10/49859	D. Bruce Modesitt	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
2009.43 CA	2,774,958 9/22/10 Based on PCT/US10/49859	D. Bruce Modesitt	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Annuitly due 9/22/13
				Request for exam due 9/22/15
				Annuitly due 9/22/13
				Request for exam due 9/22/15
				Annuitly due 9/22/13

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20009.44 CN	Not Yet Known 9/22/10 Based on PCT/US10/49859	D. Bruce Modesitt	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting examination
20009.45 HK	1173639A 9/22/10 Based on PCT/US10/49859	D. Bruce Modesitt	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Pending over EP appl.
20009.46 JP	2012-531000 9/22/10 Based on PCT/US10/49859	D. Bruce Modesitt	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Request for exam due 9/22/13
20009.47 IL	218780 9/22/10 Based on PCT/US10/49859	D. Bruce Modesitt	DEVICES, METHODS, AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting examination
30010.00 US	61/294,103 1/11/10	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Filed US and PCT
20010.00 US	13/004,848 1/11/11 Based on 61/294,103	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
20010.40 WO	PCT/US11/20893 1/11/11 Based on 61/294,103	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Nat'l in AU CA CN EP HK JP and IL
20010.41 EP	11700313.7 1/11/11 Based on PCT/US11/20893	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination Annuitly due 1/11/14

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20010.42 AU	2011203850 1/11/11 Based on PCT/US11/20893	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Request for exam due 1/11/2016 Annuity due 1/1/15
20010.43 CA	Not Yet Known 1/11/11 Based on PCT/US11/20893	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Request for exam due 1/11/2016 Annuity due 1/1/14
20010.44 CN	201180013174.6 1/11/11 Based on PCT/US11/20893	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
20010.45 HK	13101124.2 1/11/11 Based on PCT/US11/20893	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Pending over EP appl.
20010.46 JP	2012-548236 1/11/11 Based on PCT/US11/20893	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Request for exam due 1/11/2014
20010.47 IL	220768 1/11/11 Based on PCT/US11/20893	D. Bruce Modesitt et al.	DEVICES, METHODS AND KITS FOR FORMING TRACTS IN TISSUE	Awaiting Examination
30011.00 US	61/652,104 5/25/12	Brian Ellingwood et al.	VASCULAR ACCESS CONFIGURATION	Nonprovisional US Patent Application Filed 05/24/2013
20011.00 US	13/902,579 05/24/2013	Brian Ellingwood et al.	VASCULAR ACCESS CONFIGURATION	Awaiting Examination

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30012.00	61/652,108 5/25/12	Brian Ellingwood et al.	VASCULAR ACCESS CONFIGURATION	12 month deadline 5/25/13
20012.00 US	13/902,592 5/24/2013	Brian Ellingwood et al.	VASCULAR ACCESS CONFIGURATION	Awaiting Examination
30013.00	61/652,112 5/25/12	Brian Ellingwood et al.	VASCULAR ACCESS CONFIGURATION	12 month deadline 5/25/13
20013.00 US	13/902,599 05/24/2013	Brian Ellingwood et al.	VASCULAR ACCESS CONFIGURATION	Awaiting Examination
20013.40 WO	PCT/US13/42743 05/24/2013	Brian Ellingwood et al.	VASCULAR ACCESS CONFIGURATION	30 month National Phase Filing Due 11/25/2014
30014.00	61/678,306 8/1/2012	D. Bruce Modesitt	ACCESS CLOSURE CONFIGURATION	12 month deadline 8/1/13
30015.00	61/678,324 8/1/2012	D. Bruce Modesitt	ACCESS CLOSURE CONFIGURATION	12 month deadline 8/1/13