

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4441692

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
APPLIED MEDICAL RESOURCES CORPORATION	05/31/2017
RECEIVING PARTY DATA	
Name:	JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT
Street Address:	IL1-1145/54/63, P.O. BOX 6026
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60680-6026
PROPERTY NUMBERS Total: 356	
Property Type	Number
Patent Number:	5411483
Patent Number:	5527320
Patent Number:	5904698
Patent Number:	5916232
Patent Number:	5984934
Patent Number:	6059800
Patent Number:	6099553
Patent Number:	6162196
Patent Number:	6183492
Patent Number:	6183503
Patent Number:	6217555
Patent Number:	6254571
Patent Number:	6258105
Patent Number:	6267773
Patent Number:	6461363
Patent Number:	6471684
Patent Number:	6558350
Patent Number:	6579304
Patent Number:	6589208
Patent Number:	6626919

PATENT

Property Type	Number
Patent Number:	6626922
Patent Number:	6669707
Patent Number:	6740081
Patent Number:	6837871
Patent Number:	6887194
Patent Number:	6896683
Patent Number:	6932825
Patent Number:	6939296
Patent Number:	6958037
Patent Number:	7005026
Patent Number:	7025775
Patent Number:	7052454
Patent Number:	7070586
Patent Number:	7083626
Patent Number:	7112185
Patent Number:	7135015
Patent Number:	7163510
Patent Number:	7235062
Patent Number:	7238154
Patent Number:	7316677
Patent Number:	7326233
Patent Number:	7341145
Patent Number:	7377898
Patent Number:	7390317
Patent Number:	7419490
Patent Number:	7438702
Patent Number:	7473221
Patent Number:	7481765
Patent Number:	7494501
Patent Number:	7534317
Patent Number:	7552854
Patent Number:	7578827
Patent Number:	7578832
Patent Number:	7591802
Patent Number:	7621926
Patent Number:	7625387
Patent Number:	7625370
Patent Number:	7650887

Property Type	Number
Patent Number:	7651478
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Property Type	Number
Patent Number:	8308746
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Patent Number:	9358040
Patent Number:	9393042
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Property Type	Number
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Patent Number:	9642608
Application Number:	14195327
Application Number:	62355170
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Application Number:	62393305
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Application Number:	15431595
Application Number:	62458961
Application Number:	62458972
Application Number:	62462701
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Application Number:	14039283
Application Number:	14040212

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Application Number:	14491498
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Application Number:	14505105
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Application Number:	14885072
Application Number:	14933892
Application Number:	14940444
Application Number:	14950261
Application Number:	14973366
Application Number:	15016080
Application Number:	15056056
Application Number:	15064049
Application Number:	15068366
Application Number:	15133822
Application Number:	15136652
Application Number:	15166661

Property Type	Number
Application Number:	15185360
Application Number:	15196551
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Application Number:	15209565
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Application Number:	15230833
Application Number:	15237184
Application Number:	15249080
Application Number:	15253455
Application Number:	15261422
Application Number:	15263552
Application Number:	15269113
Application Number:	15282781
Application Number:	15288846
Application Number:	15291390
Application Number:	15334102
Application Number:	15347660
Application Number:	15348618
Application Number:	15348089
Application Number:	15370231
Application Number:	15383803
Application Number:	15409831
Application Number:	15019859
Application Number:	15202327
Application Number:	12873115
Application Number:	13449017
Application Number:	14164954
Application Number:	14213493
Application Number:	14572134
Application Number:	14794400
Application Number:	14879312
Application Number:	15221894

CORRESPONDENCE DATA

Fax Number: (312)993-9767

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.

Phone: 3129932647

Email: zeynep.gieseke@lw.com

Correspondent Name: ZEYNEP GIESEKE
Address Line 1: 330 N. WABASH AVENUE, SUITE 2800
Address Line 2: LATHAM & WATKINS LLP
Address Line 4: CHICAGO, ILLINOIS 60611

ATTORNEY DOCKET NUMBER: 049067-0177

NAME OF SUBMITTER: ZEYNEP GIESEKE

SIGNATURE: /zg/

DATE SIGNED: 06/02/2017

Total Attachments: 23

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**SUPPLEMENTAL CONFIRMATORY GRANT OF SECURITY INTEREST
IN UNITED STATES PATENTS**

THIS SUPPLEMENTAL CONFIRMATORY GRANT OF SECURITY INTEREST IN UNITED STATES PATENTS (as amended, amended and restated, restated, supplemented or otherwise modified from time to time, the "Confirmatory Grant") is made effective as of May 31, 2017, by APPLIED MEDICAL RESOURCES CORPORATION, a California corporation (the "Grantor"), in favor of JPMORGAN CHASE BANK, N.A. as administrative agent (in such capacity, the "Grantee") for itself and for the other Secured Parties (as defined in the Credit Agreement referenced below).

WHEREAS, Applied Medical Corporation, a Delaware corporation ("Holdings"), the Grantor and Applied Medical Distribution Corporation, a California corporation ("AMDC"), the Lenders and the Grantee have entered into that certain Credit Agreement, dated as of May 31, 2017 (as amended, amended and restated, restated, supplemented or otherwise modified from time to time, the "Credit Agreement").

WHEREAS, Holdings, AMDC and the Grantor, have entered into that certain Security Agreement, dated as of May 31, 2017 (as amended, amended and restated, restated, supplemented or otherwise modified from time to time, the "Security Agreement"), in favor of the Grantee for itself and the other Secured Parties.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed that:

1) Definitions. All capitalized terms used and not otherwise defined herein shall have the respective meaning given to them in the Credit Agreement or Security Agreement, as applicable.

2) The Security Interest.

(a) This Confirmatory Grant is made to secure the prompt payment in full in cash of all Secured Obligations. Upon the satisfaction of the Final Release Conditions, this Confirmatory Grant shall automatically terminate and all rights to the Patents shall automatically revert to the Grantor. Upon such termination, the Grantee shall promptly, upon such satisfaction, execute, acknowledge, and deliver to the Grantor all reasonably requested instruments in writing releasing (and/or evidencing of record the release of) the lien and security interest in the Patents acquired under the Security Agreement and this Confirmatory Grant.

(b) The Grantor hereby pledges to the Grantee, for its benefit and the benefit of each of the Secured Parties, a security interest in, all of the Grantor's right, title and interest, in and to the following, whether now or hereafter existing or acquired collectively, the ("Patents"): (1) all letters patent and applications for letters patent of the Grantor throughout the world, including each patent and patent application referred to in Exhibit A attached hereto; (2) all patent licenses of the Grantor, including each patent license referred to in Exhibit A attached hereto; (3) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the items described in clauses (1) and (2) above; and (4) all proceeds of, and rights associated with, the foregoing (including license royalties and proceeds of infringement suits), the right to sue third parties for past, present or future infringements of any patent or patent application, including any patent or patent application referred to in Exhibit A attached hereto, and for breach or enforcement of any patent license, including any patent

license referred to in Exhibit A attached hereto, and all rights corresponding to any of the foregoing throughout the world, but excluding in each of clause (2), (3) and (4) any Excluded Assets.

(c) Notwithstanding anything to the contrary contained above, the security interest created by this Confirmatory Grant shall not extend to Excluded Assets.

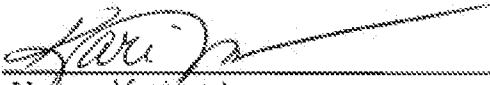
3) Grants, Rights, Remedies. This Confirmatory Grant has been executed in conjunction with the security interest granted under the Security Agreement to the Grantee for the benefit of the Grantee and the benefit of the Secured Parties. The rights and remedies of the Grantee with respect to the security interest granted herein are without prejudice to and are in addition to those set forth in the Security Agreement and the other Loan Documents, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Confirmatory Grant are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern and control.

4) Governing Law. **THIS CONFIRMATORY GRANT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK.**

5) COUNTERPARTS. THIS CONFIRMATORY GRANT MAY BE EXECUTED BY THE PARTIES HERETO IN SEVERAL COUNTERPARTS, EACH OF WHICH SHALL BE DEEMED TO BE AN ORIGINAL AND ALL OF WHICH SHALL CONSTITUTE TOGETHER BUT ONE AND THE SAME AGREEMENT. DELIVERY OF AN EXECUTED COUNTERPART OF A SIGNATURE PAGE OF THIS CONFIRMATORY GRANT BY ELECTRONIC TRANSMISSION (INCLUDING PORTABLE DOCUMENT FORMAT (“.PDF”) OR SIMILAR FORMAT) SHALL BE EFFECTIVE AS DELIVERY OF A MANUALLY EXECUTED COUNTERPART OF THIS AGREEMENT.

IN WITNESS WHEREOF, the Grantor has executed this Confirmatory Grant effective as of the date first written above.

APPLIED MEDICAL RESOURCES CORPORATION

By: 
Name: Kari Moore
Title: Chief Accounting officer

Signature Page to
Confirmatory Grant of Security Interest in United States Patents

PATENT
REEL: 042669 FRAME: 0738

JPMORGAN CHASE BANK, N.A.,
as Administrative Agent

By: 
Name: Ling Li
Title: Executive Director

Signature Page to
Supplemental Confirmatory Grant of Security Interest in United States Patents

PATENT
REEL: 042669 FRAME: 0739

SUPPLEMENTAL CONFIRMATORY GRANT OF SECURITY INTEREST
IN UNITED STATES PATENTS

Exhibit A

Patents, Patent Applications and Patent Licenses

Issued Patents

Owner	Country	Patent Number	Issue Date	First Inventor	Application Title	Application Status
AMRC	US	5,411,483	2-May-1995	LOOMAS, BRYAN E	GAS TIGHT SEAL ACCOMMODATING SURGICAL INSTRUMENTS WITH A WIDE RANGE OF DIAMETERS	Granted
AMRC	US	5,527,320	18-Jun-1996	CARRUTHERS, HAROLD G	SURGICAL CLIP APPLYING INSTRUMENT	Granted
AMRC	US	5,904,698	18-May-1999	THOMAS, PETER T	SURGICAL SHAVING DEVICE FOR USE WITHIN BODY CONDUITS	Granted
AMRC	US	5,916,232	29-Jun-1999	HART, CHARLES C	ASYMMETRICAL OBTURATOR	Granted
AMRC	US	5,984,934	16-Nov-1999	ASHBY, MARK P	LOW-PROFILE SURGICAL CLIP	Granted
AMRC	US	6,059,800	9-May-2000	HART, CHARLES C	SUTURING APPARATUS AND METHOD	Granted
AMRC	US	6,099,553	8-Aug-2000	HART, CHARLES C	SUTURE CLINCH	Granted
AMRC	US	6,162,196	19-Dec-2000	HART, CHARLES C	IMPROVED MULTIPORT ACCESS DEVICE	Granted
AMRC	US	6,183,492	6-Feb-2001	HART, CHARLES C	PERFUSION ISOLATION CATHETER APPARATUS AND METHOD	Granted
AMRC	US	6,183,503	6-Feb-2001	HART, CHARLES C	MESH STENT WITH VARIABLE HOOP STRENGTH	Granted
AMRC	US	6,217,555	17-Apr-2001	HART, CHARLES C	MULTIPORT TROCAR	Granted
AMRC	US	6,254,571	3-Jul-2001	HART, CHARLES C	REMOTE CLOT MANAGEMENT	Granted
AMRC	US	6,258,105	10-Jul-2001	HART, CHARLES C	MALLEABLE CLIP APPLIER AND METHOD	Granted
AMRC	US	6,267,773	31-Jul-2001	GADBERRY, DONALD L	LOW-PROFILE SURGICAL CLIP	Granted
AMRC	US	6,461,363	8-Oct-2002	GADBERRY, DONALD L	SURGICAL CLIPS AND CLAMPS	Granted
AMRC	US	6,471,684	29-Oct-2002	DULAK, GARY R	URETERAL ACCESS SHEATH	Granted

AMRC	US	6,558,350	6-May-2003	HART, CHARLES C	DRAINAGE CATHETER	Granted
AMRC	US	6,579,304	17-Jun-2003	HART, CHARLES C	SURGICAL CLAMP WITH IMPROVED TRACTION	Granted
AMRC	US	6,589,208	8-Jul-2003	EWERS, RICHARD C	SELF DEPLOYING CATHETER ASSEMBLY	Granted
AMRC	US	6,626,919	30-Sep-2003	SWANSTROM, LEE L	METHOD AND APPARATUS FOR ATTACHING OR LOCKING AN IMPLANT TO AN ANATOMIC VESSEL OR HOLLOW BODY ORGAN	Granted
AMRC	US	6,626,922	30-Sep-2003	HART, CHARLES C	SURGICAL INSTRUMENTS WITH IMPROVED TRACTION	Granted
AMRC	US	6,669,707	30-Dec-2003	SWANSTROM, LEE L	METHOD AND APPARATUS FOR ATTACHING OR LOCKING AN IMPLANT TO AN ANATOMIC VESSEL OR HOLLOW ORGAN WALL	Granted
AMRC	US	6,740,081	25-May-2004	HILAL, SAID S	ELECTROSURGERY WITH IMPROVED CONTROL APPARATUS AND METHOD	Granted
AMRC	US	6,837,871	4-Jan-2005	GONZALES, JOSEPH A	SELF-DEPLOYING CATHETER ASSEMBLY	Granted
AMRC	US	6,887,194	3-May-2005	HART, CHARLES C	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	6,896,683	24-May-2005	GADBERRY, DONALD L	SURGICAL INSTRUMENT WITH IMPROVED HANDLE ASSEMBLY	Granted
AMRC	US	6,932,825	23-Aug-2005	ANDERSON, STEVEN R	VESSEL OCCLUSION CLAMP	Granted
AMRC	US	6,939,296	6-Sep-2005	EWERS, RICHARD C	LAPAROSCOPIC ILLUMINATION APPARATUS AND METHOD	Granted
AMRC	US	6,958,037	25-Oct-2005	EWERS, RICHARD C	WOUND RETRACTION APPARATUS AND METHOD	Granted
AMRC	US	7,005,026	28-Feb-2006	ALI-AHMAD, WASSIM R.	KINK RESISTENT ACCESS SHEATH AND METHOD OF MAKING SAME	Granted
AMRC	US	7,025,775	11-Apr-2006	GADBERRY, DONALD L	SURGICAL INSTRUMENT WITH REMOVABLE SHAFT APPARATUS AND METHOD	Granted

AMRC	US	7,052,454	30-May-2006	HART, CHARLES C	SEALED SURGICAL ACCESS DEVICE	Granted
AMRC	US	7,070,586	4-Jul-2006	BRUSTAD, JOHN R	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	7,083,626	1-Aug-2006	HART, CHARLES C	SURGICAL ACCESS DEVICE WITH PENDENT VALVE	Granted
AMRC	US	7,112,185	26-Sep-2006	HART, CHARLES C	ANTI-INVERSION TROCAR SEAL	Granted
AMRC	US	7,135,015	14-Nov-2006	DULAK, GARY R	URETERAL ACCESS SHEATH	Granted
AMRC	US	7,163,510	16-Jan-2007	KAHLE, HENRY	SURGICAL INSTRUMENT ACCESS DEVICE	Granted
AMRC	US	7,235,062	26-Jun-2007	BRUSTAD, JOHN R	SURGICAL ACCESS DEVICE WITH FLOATING GEL SEAL	Granted
AMRC	US	7,238,154	3-Jul-2007	BOWES, ROBERT R	WOUND RETRACTION APPARATUS AND METHOD	Granted
AMRC	US	7,316,677	8-Jan-2008	DULAK, GARY R	URETERAL ACCESS SHEATH	Granted
AMRC	US	7,326,233	5-Feb-2008	HART, CHARLES C	SURGICAL CLIP	Granted
AMRC	US	7,341,145	11-Mar-2008	VANDENBROE K, FRANS	SINGLE FIRE VASCULAR LIGATION CLIP DISPENSER	Granted
AMRC	US	7,377,898	27-May-2008	BOWES, ROBERT R	WOUND RETRACTION APPARATUS AND METHOD	Granted
AMRC	US	7,390,317	24-Jun-2008	TAYLOR, SCOTT V	UNIVERSAL ACCESS SEAL	Granted
AMRC	US	7,419,490	2-Sep-2008	FALKENSTEIN, ZORAN	BIPOLAR ELECTROSURGICAL SCISSORS	Granted
AMRC	US	7,438,702	21-Oct-2008	HART, CHARLES C	MULTI-SEAL TROCAR SYSTEM	Granted
AMRC	US	7,473,221	6-Jan-2009	BRUSTAD, JOHN R	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	7,481,765	27-Jan-2009	BRUSTAD, JOHN R	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	7,494,501	24-Feb-2009	AHLBERG, RUSSELL E	OVERMOLDED GRASPER JAW	Granted
AMRC	US	7,534,317	19-May-2009	BRUSTAD, JOHN R	KINK RESISTENT ACCESS SHEATH AND METHOD OF MAKING SAME	Granted
AMRC	US	7,552,854	30-Jun-2009	WIXEY, MATTHEW A	SURGICAL STAPLER WITH FIRING LOCK MECHANISM	Granted
AMRC	US	7,578,827	25-Aug-2009	GADBERRY, DONALD L	SUTURE CLIP WITH STOP RIBS AND	Granted

					METHOD FOR MAKING SAME	
AMRC	US	7,578,832	25-Aug-2009	JOHNSON, GARY M	SYSTEM AND METHOD FOR ACTUATING A LAPAROSCOPIC SURGICAL INSTRUMENT	Granted
AMRC	US	7,591,802	22-Sep-2009	JOHNSON, GARY M	SEAL HOUSING HAVING ANTI-INVERSION FEATURES	Granted
AMRC	US	7,621,926	24-Nov-2009	WIXEY, MATTHEW A	MULTI-FIRE SURGICAL CLIP APPLIER	Granted
AMRC	US	7,625,387	1-Dec-2009	WIXEY, MATTHEW A	SUTURE SECURING DEVICE AND METHOD	Granted
AMRC	US	7,625,370	1-Dec-2009	HART, CHARLES C	TISSUE FUSION/WELDER APPARATUS AND METHOD	Granted
AMRC	US	7,650,887	26-Jan-2010	NGUYEN, ERIC	WOUND RETRACTOR	Granted
AMRC	US	7,651,478	26-Jan-2010	BRUSTAD, JOHN R	SURGICAL ACCESS DEVICE WITH FLOATING GEL SEAL	Granted
AMRC	US	7,686,823	30-Mar-2010	PINGLETON, EDWARD D	BLADELESS OBTURATOR	Granted
AMRC	US	7,704,207	27-Apr-2010	ALBRECHT, JEREMY J	CIRCULAR SURGICAL RETRACTOR	Granted
AMRC	US	7,708,713	4-May-2010	ALBRECHT, JEREMY J	INSUFFLATING OPTICAL SURGICAL INSTRUMENT	Granted
AMRC	US	7,722,570	25-May-2010	ALMOND, EDWARD	SURGICAL SEAL	Granted
AMRC	US	7,727,255	1-Jun-2010	TAYLOR, SCOTT V	ACCESS SEALING APPARATUS AND METHOD	Granted
AMRC	US	7,727,146	1-Jun-2010	ALBRECHT, JEREMY J	WOUND RETRACTOR WITH GEL CAP	Granted
AMRC	US	7,731,725	8-Jun-2010	GADBERRY, DONALD L	SURGICAL INSTRUMENT WITH IMPROVED HANDLE ASSEMBLY	Granted
AMRC	US	7,731,073	8-Jun-2010	WIXEY, MATTHEW A	SURGICAL STAPLER WITH FIRING LOCK MECHANISM	Granted
AMRC	US	7,736,306	15-Jun-2010	BRUSTAD, JOHN R	HAND ACCESS LAPAROSCOPIC DEVICE	Granted
AMRC	US	7,740,625	22-Jun-2010	HILAL, SAID S	SURGICAL DIGITIZING APPARATUS AND METHOD	Granted
AMRC	US	7,744,623	29-Jun-2010	ANDERSON, STEVEN R	VESSEL OCCLUSION CLAMP	Granted
AMRC	US	7,749,415	6-Jul-2010	BRUSTAD, JOHN R	METHOD OF MAKING A HAND ACCESS LAPAROSCOPIC	Granted

					DEVICE	
AMRC	US	7,758,603	20-Jul-2010	TAYLOR, SCOTT V	BLUNT TIP OBTURATOR	Granted
AMRC	US	7,771,395	10-Aug-2010	HART, CHARLES C	SURGICAL ACCESS DEVICE WITH PENDENT VALVE	Granted
AMRC	US	7,780,688	24-Aug-2010	SAKAKINE, GHASSAN	SPRING CLIP AND METHOD FOR ASSEMBLING SAME	Granted
AMRC	US	7,794,644	14-Sep-2010	TAYLOR, SCOTT V	THIN-WALLED OPTICAL OBTURATOR	Granted
AMRC	US	7,811,253	12-Oct-2010	HART, CHARLES C	INSUFFLATION GAS WARMER AND HUMIDIFIER	Granted
AMRC	US	7,815,567	26-Oct-2010	ALBRECHT, JEREMY J	SPLIT HOOP WOUND RETRACTOR	Granted
AMRC	US	7,842,045	30-Nov-2010	VANDENBROE K, FRANS	SINGLE FIRE VASCULAR CLIP APPLIER WITH DISPOSABLE JAW	Granted
AMRC	US	7,850,811	14-Dec-2010	KAHLE, HENRY	STEERABLE KINK- RESISTANT SHEATH	Granted
AMRC	US	7,867,254	11-Jan-2011	HART, CHARLES C	SURGICAL CLIP	Granted
AMRC	US	7,878,974	1-Feb-2011	BRUSTAD, JOHN R	HAND ACCESS LAPAROSCOPIC DEVICE	Granted
AMRC	US	7,883,493	8-Feb-2011	BRUSTAD, JOHN R	SURGICAL ACCESS DEVICE WITH FLOATING GEL SEAL	Granted
AMRC	US	7,883,461	8-Feb-2011	ALBRECHT, JEREMY J	WOUND RETRACTOR WITH GEL CAP	Granted
AMRC	US	7,892,172	22-Feb-2011	ALBRECHT, JEREMY J	CIRCULAR SURGICAL RETRACTOR	Granted
AMRC	US	7,909,819	22-Mar-2011	FALKENSTEIN, ZORAN	MONOPOLAR ELECTROSURGICAL RETURN ELECTRODE	Granted
AMRC	US	7,909,760	22-Mar-2011	ALBRECHT, JEREMY J	SPLIT HOOP WOUND RETRACTOR WITH GEL PAD	Granted
AMRC	US	7,913,697	29-Mar-2011	NGUYEN, ERIC	WOUND RETRACTOR	Granted
AMRC	US	7,934,629	3-May-2011	WIXEY, MATTHEW A	SURGICAL STAPLER WITH FIRING LOCK MECHANISM	Granted
AMRC	US	7,947,058	24-May-2011	KAHLE, HENRY	BLADELESS OPTICAL OBTURATOR	Granted
AMRC	US	7,951,076	31-May-2011	PINGLETON, EDWARD D	SURGICAL ACCESS SYSTEM	Granted
AMRC	US	7,988,671	2-Aug-2011	ALBRECHT, JEREMY J	PLEATED TROCAR SHIELD	Granted
AMRC	US	8,007,477	30-Aug-2011	JOHNSON, GARY M	SURGICAL ACCESS PORT AND METHOD	Granted
AMRC	US	8,016,755	13-Sep-2011	BRUSTAD, JOHN R	SURGICAL ACCESS APPARATUS AND METHOD	Granted

AMRC	US	8,028,395	4-Oct-2011	TAYLOR, SCOTT V	METHOD FOR MANUFACTURING HIGH FLOW INSUFFLATION NEEDLE STYLET	Granted
AMRC	US	8,048,068	1-Nov-2011	FALKENSTEIN, ZORAN	MONOPOLAR ELECTROSURGICAL RETURN ELECTRODE	Granted
AMRC	US	8,066,673	29-Nov-2011	HART, CHARLES C	CANNULA STABILIZATION SEAL (aka Trocar Retention)	Granted
AMRC	US	8,070,676	6-Dec-2011	BRUSTAD, JOHN R	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	8,075,530	13-Dec-2011	TAYLOR, SCOTT V	INSTRUMENT SEAL WITH INVERTING SHROUD	Granted
AMRC	US	8,079,986	20-Dec-2011	TAYLOR, SCOTT V	UNIVERSAL ACCESS SEAL	Granted
AMRC	US	8,092,473	10-Jan-2012	HART, CHARLES C	SURGICAL CLAMP WITH IMPROVED TRACTION	Granted
AMRC	US	8,105,285	31-Jan-2012	HART, CHARLES C	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	8,105,234	31-Jan-2012	BRUSTAD, JOHN R	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	8,109,911	7-Feb-2012	TAYLOR, SCOTT V	UNIVERSAL ACCESS SEAL	Granted
AMRC	US	8,109,873	7-Feb-2012	ALBRECHT, JEREMY J	SURGICAL RETRACTOR WITH GEL PAD	Granted
AMRC	US	8,114,107	14-Feb-2012	AHLBERG, RUSSELL E	LAPAROSCOPIC SCISSOR BLADES	Granted
AMRC	US	8,114,120	14-Feb-2012	AHLBERG, RUSSELL E	SYSTEM AND METHOD FOR ACTUATING A LAPAROSCOPIC SURGICAL INSTRUMENT	Granted
AMRC	US	8,118,785	21-Feb-2012	HART, CHARLES C	SURGICAL ACCESS DEVICE WITH PENDENT VALVE	Granted
AMRC	US	8,128,590	6-Mar-2012	ALBRECHT, JEREMY J	INSUFFLATING OPTICAL SURGICAL INSTRUMENT	Granted
AMRC	US	8,133,196	13-Mar-2012	HART, CHARLES C	INSUFFLATION GAS WARMER AND HUMIDIFIER	Granted
AMRC	US	8,142,467	27-Mar-2012	HART, CHARLES C	TAMPONADE TROCAR DEVICE AND METHOD	Granted
AMRC	US	8,147,453	3-Apr-2012	ALBRECHT, JEREMY J	BALLOON TROCAR	Granted
AMRC	US	8,147,458	3-Apr-2012	HART, CHARLES C	MULTI-SEAL TROCAR SYSTEM	Granted
AMRC	US	8,152,773	10-Apr-2012	ALBRECHT,	INSTRUMENT SEAL	Granted

				JEREMY J		
AMRC	US	8,152,828	10-Apr-2012	TAYLOR, SCOTT V	BLUNT TIP OBTURATOR	Granted
AMRC	US	8,157,833	17-Apr-2012	AU, GIGI	TROCARS WITH ADVANCED FIXATION	Granted
AMRC	US	8,157,835	17-Apr-2012	TAYLOR, SCOTT V	ACCESS SEALING APPARATUS AND METHOD	Granted
AMRC	US	8,162,893	24-Apr-2012	OKIHISA, DAVID T	TROCAR STABILITY ASSEMBLY	Granted
AMRC	US	8,167,843	1-May-2012	ALBRECHT, JEREMY J	TROCAR WITH RETENTION CANNULA	Granted
AMRC	US	8,187,177	29-May-2012	KAHLE, HENRY	SURGICAL INSTRUMENT ACCESS DEVICE	Granted
AMRC	US	8,221,449	17-Jul-2012	GADBERRY, DONALD L	SURGICAL INSTRUMENT WITH REMOVABLE SHAFT APPARATUS AND METHOD	Granted
AMRC	US	8,226,552	24-Jul-2012	ALBRECHT, JEREMY J	SURGICAL RETRACTOR	Granted
AMRC	US	8,226,649	24-Jul-2012	FALKENSTEIN, ZORAN	BIPOLAR ELECTROSURGICAL SCISSORS	Granted
AMRC	US	8,235,054	7-Aug-2012	NGUYEN, ERIC	WOUND RETRACTOR	Granted
AMRC	US	8,257,317	4-Sep-2012	ALBRECHT, JEREMY J	PLEATED TROCAR SHIELD	Granted
AMRC	US	8,262,622	11-Sep-2012	GONZALES, JOSEPH A	SURGICAL GEL SEAL	Granted
AMRC	US	8,262,568	11-Sep-2012	ALBRECHT, JEREMY J	SINGLE PORT ACCESS SYSTEM	Granted
AMRC	US	8,267,858	18-Sep-2012	ALBRECHT, JEREMY J	WOUND RETRACTOR WITH GEL CAP	Granted
AMRC	US	8,267,952	18-Sep-2012	KAHLE, HENRY	BLADELESS OPTICAL OBTURATOR	Granted
AMRC	US	8,277,475	2-Oct-2012	KESSLER, STEVEN C	LAPAROSCOPIC SCISSORS (D52)	Granted
AMRC	US	8,282,622	9-Oct-2012	DULAK, GARY R	URETERAL ACCESS SHEATH	Granted
AMRC	US	8,281,972	9-Oct-2012	WIXEY, MATTHEW A	SURGICAL STAPLER WITH FIRING LOCK MECHANISM	Granted
AMRC	US	8,287,503	16-Oct-2012	MICHAUD, MICHAEL L	BALLOON TROCAR	Granted
AMRC	US	8,292,853	23-Oct-2012	HART, CHARLES C	SELF-SEALING CANNULA HAVING INTEGRATED SEALS	Granted
AMRC	US	8,308,710	13-Nov-2012	CLAYMAN, RALPH V	HIGH FLOW-LOW PRESSURE IRRIGATION SYSTEM	Granted
AMRC	US	8,308,746	13-Nov-2012	PRAVONG, BOUN	METHOD AND APPARATUS FOR TISSUE MORCELLATION	Granted

AMRC	US	8,308,639	13-Nov-2012	ALBRECHT, JEREMY J	SPLIT HOOP WOUND RETRACTOR WITH GEL PAD	Granted
AMRC	US	8,313,431	20-Nov-2012	ALBRECHT, JEREMY J	SPLIT HOOP WOUND RETRACTOR	Granted
AMRC	US	8,343,047	1-Jan-2013	ALBRECHT, JEREMY J	SURGICAL INSTRUMENT ACCESS DEVICE	Granted
AMRC	US	8,357,086	22-Jan-2013	KAHLE, HENRY	SURGICAL INSTRUMENT ACCESS DEVICE	Granted
AMRC	US	8,377,090	19-Feb-2013	TAYLOR, SCOTT V	BLUNT TIP OBTURATOR	Granted
AMRC	US	8,382,663	26-Feb-2013	TAYLOR, SCOTT V	SURGICAL DEVICES, SYSTEMS AND METHODS THEREOF HAVING GEL MATERIAL, GEL COATINGS, OR GEL LUBRICANTS	Granted
AMRC	US	8,382,707	26-Feb-2013	ALBRECHT, JEREMY J	BALLOON TROCER ADVANCED FIXATION	Granted
AMRC	US	8,388,526	5-Mar-2013	BOWES, ROBERT R	WOUND RETRACTION APPARATUS AND METHOD	Granted
AMRC	US	8,414,487	9-Apr-2013	ALBRECHT, JEREMY J	CIRCULAR SURGICAL RETRACTOR	Granted
AMRC	US	8,430,851	30-Apr-2013	McGINLEY, KIMBALL B	SURGICAL ACCESS PORT	Granted
AMRC	US	US 8,469,883	25-Jun-2013	HART, CHARLES C	SURGICAL ACCESS DEVICE COMPRISING INTERNAL RETRACTOR	Granted
AMRC	US	8,475,473	2-Jul-2013	VANDENBROE K, FRANS	CONVERTIBLE SURGICAL CLIP APPLIER SYSTEM	Granted
AMRC	US	8,480,575	9-Jul-2013	ALBRECHT, JEREMY J	SINGLE PORT ACCESS SYSTEM	Granted
AMRC	US	8,496,581	30-Jul-2013	BRUSTAD, JOHN R	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	8,500,695	6-Aug-2013	BRUSTAD, JOHN R	SURGICAL ACCESS DEVICE WITH FLOATING GEL SEAL	Granted
AMRC	US	8,506,520	13-Aug-2013	KAHLE, HENRY	TROCR SYSTEM WITH LAPAROSCOPE GAS CHANNEL	Granted
AMRC	US	8,517,977	27-Aug-2013	TAYLOR, SCOTT V	VISUAL INSUFFLATION PORT	Granted
AMRC	US	US 8,518,070 B2	27-Aug-2013	KESSLER, STEVEN C	LAPAROSCOPIC SCISSORS (D52)	Granted
AMRC	US	8,523,893	3-Sep-2013	KESSLER, STEVEN C	LAPAROSCOPIC SCISSORS	Granted
AMRC	US	8,529,588	10-Sep-2013	AHLBERG,	MULTIPLE CLIP	Granted

				RUSSELL E	APPLIER APPARATUS AND METHOD	
AMRC	US	8,529,719	10-Sep-2013	PINGLETON, EDWARD D	METHOD OF MAKING MEDICAL TUBING HAVING VARIABLE CHARACTERISTICS USING THERMAL WINDING	Granted
AMRC	US	8,545,534	1-Oct-2013	AHLBERG, RUSSELL E	OVERMOLDED GRASPER JAW	Granted
AMRC	US	8,551,088	8-Oct-2013	CAPPELLO, CHRISTOPHER J	ELECTROSURGICAL SYSTEM	Granted
AMRC	US	8,551,089	8-Oct-2013	HART, CHARLES C	TISSUE FUSION/WELDER APPARATUS AND METHOD	Granted
AMRC	US	8,562,598	22-Oct-2013	FALKENSTEIN, ZORAN	ELECTROSURGICAL SYSTEM	Granted
AMRC	US	8,562,569	22-Oct-2013	HART, CHARLES C	SURGICAL ACCESS DEVICE WITH PENDENT VALVE	Granted
AMRC	US	8,568,411	29-Oct-2013	FALKENSTEIN, ZORAN	ELECTROSURGICAL SYSTEM	Granted
AMRC	US	8,579,894	12-Nov-2013	FALKENSTEIN, ZORAN	ELECTROSURGICAL SYSTEM	Granted
AMRC	US	8,590,428	26-Nov-2013	AHLBERG, RUSSELL E	MULTIPLE-ANGLE SCISSOR BLADE	Granted
AMRC	US	8,597,250	3-Dec-2013	OKIHISA, DAVID T	TROCAR STABILITY ASSEMBLY	Granted
AMRC	US	8,597,293	3-Dec-2013	FALKENSTEIN, ZORAN	BIPOLAR ELECTROSURGICAL SCISSORS	Granted
AMRC	US	8,597,251	3-Dec-2013	ALBRECHT, JEREMY J	PLEATED TROCAR SHIELD	Granted
AMRC	US	8,608,768	17-Dec-2013	TAYLOR, SCOTT V	BLUNT TIP OBTURATOR	Granted
AMRC	US	8,608,769	17-Dec-2013	KAHLE, HENRY	BLADELESS OPTICAL OBTURATOR	Granted
AMRC	US	8,613,727	24-Dec-2013	HART, CHARLES C	SURGICAL ACCESS DEVICE WITH PENDENT VALVE	Granted
AMRC	US	8,622,969	7-Jan-2014	ALBRECHT, JEREMY J	TROCAR WITH RETENTION CANNULA	Granted
AMRC	US	8,632,490	21-Jan-2014	HART, CHARLES C	INSUFFLATION GAS WARMER AND HUMIDIFIER	Granted
AMRC	US	8,636,759	28-Jan-2014	PINGLETON, EDWARD D	BLADELESS OBTURATOR	Granted
AMRC	US	8,647,265	11-Feb-2014	BRUSTAD, JOHN R	HAND ACCESS LAPAROSCOPIC DEVICE	Granted
AMRC	US	8,652,147	18-Feb-2014	HART, CHARLES C	DEVICE FOR ISOLATING AND REMOVING TISSUE	Granted

					FROM A BODY CAVITY	
AMRC	US	8,657,843	25-Feb-2014	HOAN, ANDREW N	SHIELD LOCKOUT FOR BLADED OBTURATOR AND TROCARS	Granted
AMRC	US	8,672,839	18-Mar-2014	BRUSTAD, JOHN R	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	8,684,975	1-Apr-2014	ALBRECHT, JEREMY J	INSTRUMENT SEAL	Granted
AMRC	US	8,691,035	8-Apr-2014	PINGLETON, EDWARD D	METHOD OF MAKING MEDICAL TUBING HAVING VARIABLE CHARACTERISTICS USING THERMAL WINDING	Granted
AMRC	US	8,703,034	22-Apr-2014	TAYLOR, SCOTT V	METHOD OF MAKING A TACK-FREE GEL	Granted
AMRC	US	8,715,441	6-May-2014	BRUSTAD, JOHN R	MEDICAL TUBING HAVING VARIABLE CHARACTERISTICS AND METHOD OF MAKING SAME	Granted
AMRC	US	8,715,251	6-May-2014	JOHNSON, GARY M	SURGICAL ACCESS PORT AND METHOD OF USING SAME	Granted
AMRC	US	8,721,658	13-May-2014	KAHLE, HENRY	TISSUE RETRIEVAL SYSTEM	Granted
AMRC	US	8,721,826	13-May-2014	KAHLE, HENRY	STEERABLE KINK- RESISTANT SHEATH	Granted
AMRC	US	8,721,537	13-May-2014	ALBRECHT, JEREMY J	SINGLE PORT ACCESS SYSTEM	Granted
AMRC	US	8,721,670	13-May-2014	KESSLER, STEVEN C	LAPAROSCOPIC SCISSORS (D52)	Granted
AMRC	US	8,740,933	3-Jun-2014	ANDERSON, STEVEN R	VESSEL OCCLUSION CLAMP	Granted
AMRC	US	8,758,236	24-Jun-2014	ALBRECHT, JEREMY J	WOUND RETRACTOR (Round-Up)	Granted
AMRC	US	8,764,452	1-Jul-2014	PRAVONG, BOUN	PORTABLE LAPAROSCOPIC TRAINER	Granted
AMRC	US	8,790,308	29-Jul-2014	MELVIN, CHRISTINA N.	ADAPTABLE OBTURATOR FOR VARIOUS SIZED TROCARS	Granted
AMRC	US	8,801,741	15-Aug-2014	AHLBERG, RUSSELL E	FLAT BLADE SHIELDED OBTURATOR	Granted
AMRC	US	8,834,505	16-Sep-2014	HART, CHARLES C	TAMPONADE TROCAR DEVICE AND METHOD	Granted
AMRC	US	8,870,904	28-Oct-2014	TAYLOR, SCOTT V	ACCESS SEALING APPARATUS AND METHOD	Granted
AMRC	US	8,888,692	18-Nov-2014	PRAVONGVIEN GKHAM, KENNII	TROCAR CANNULA ASSEMBLY AND METHOD OF	Granted

					MANUFACTURE	
AMRC	US	8,894,571	25-Nov-2014	ALBRECHT, JEREMY J	SINGLE PORT ACCESS SYSTEM	Granted
AMRC	US	8,911,366	16-Dec-2014	BRUSTAD, JOHN R	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	8,915,910	23-Dec-2014	FALKENSTEIN, ZORAN	ELECTROSURGICAL SYSTEM	Granted
AMRC	US	8,932,214	13-Jan-2015	PINGLETON, EDWARD D	SURGICAL ACCESS SYSTEM	Granted
AMRC	US	8,939,946	27-Jan-2015	ALBRECHT, JEREMY J	BALLOON TROCAR	Granted
AMRC	US	8,940,009	27-Jan-2015	KAHLE, HENRY	BLADELESS OPTICAL OBTURATOR	Granted
AMRC	US	8,945,058	3-Feb-2015	PRAVONGVIEN GKHAM, KENNII	TROCAR CANNULA WITH ATRAUMATIC TIP	Granted
AMRC	US	8,951,277	10-Feb-2015	HART, CHARLES C	TAMPONADE TROCAR DEVICE AND METHOD	Granted
AMRC	US	8,956,370	17-Feb-2015	TAYLOR, SCOTT V	LAPAROSCOPIC TISSUE RETRIEVAL SYSTEM	Granted
AMRC	US	8,961,493	24-Feb-2015	HART, CHARLES C	SURGICAL ACCESS APPARATUS AND METHOD	Granted
AMRC	US	8,961,410	24-Feb-2015	ALBRECHT, JEREMY J	SURGICAL RETRACTOR WITH GEL PAD	Granted
AMRC	US	8,961,190	24-Feb-2015	HART, CHARLES C	ADVANCED SURGICAL SIMULATION	Granted
AMRC	US	8,968,250	3-Mar-2015	McGINLEY, KIMBALL B	SURGICAL ACCESS PORT	Granted
AMRC	US	8,973,583	10-Mar-2015	NGUYEN, ERIC	WOUND RETRACTOR	Granted
AMRC	US	8,998,935	7-Apr-2015	HART, CHARLES C	SURGICAL STAPLE- CLIP AND APPLIER	Granted
AMRC	US	9,017,254	28-Apr-2015	BRUSTAD, JOHN R	HAND ACCESS LAPAROSCOPIC DEVICE	Granted
AMRC	US	9,033,995	19-May-2015	TAYLOR, SCOTT V	SINGLE INCISION LAPAROSCOPIC TISSUE RETRIEVAL SYSTEM	Granted
AMRC	US	9,101,354	11-Aug-2015	ALBRECHT, JEREMY J	WOUND RETRACTOR WITH GEL CAP	Granted
AMRC	US	9,108,017	18-Aug-2015	PINGLETON, EDWARD D	METHOD OF MAKING MEDICAL TUBING HAVING DRAINAGE HOLES (new ureteral stent)	Granted
AMRC	US	9,113,939	25-Aug-2015	STROKOSZ, ARKADIUSZ A.	SINGLE PORT INSTRUMENTS	Granted
AMRC	US	9,125,555	8-Sep-2015	GONZALES, JOSEPH A	METHOD FOR MANUFACTURING A SURGICAL VALVE	Granted

AMRC	US	9,155,558	13-Oct-2015	ALBRECHT, JEREMY J	INSUFFLATING OPTICAL SURGICAL INSTRUMENT	Granted
AMRC	US	9,155,859	13-Oct-2015	DULAK, GARY R	URETERAL ACCESS SHEATH	Granted
AMRC	US	9,161,770	20-Oct-2015	AHLBERG, RUSSELL E	OVERMOLDED GRASPER JAW	Granted
AMRC	US	9,168,059	27-Oct-2015	MELVIN, CHRISTINA N.	ADAPTABLE OBTURATOR FOR VARIOUS SIZED TROCARS	Granted
AMRC	US	9,179,929	10-Nov-2015	KESSLER, STEVEN C	LAPAROSCOPIC SCISSORS	Granted
AMRC	US	9,192,366	24-Nov-2015	ALBRECHT, JEREMY J	WOUND RETRACTOR	Granted
AMRC	US	9,218,753	22-Dec-2015	HOKE, ADAM	SIMULATED TISSUE STRUCTURE FOR SURGICAL TRAINING	Granted
AMRC	US	9,232,963	12-Jan-2016	ALBRECHT, JEREMY J	TROCAR WITH RETENTION CANNULA	Granted
AMRC	US	9,241,697	26-Jan-2016	ALBRECHT, JEREMY J	WOUND RETRACTOR	Granted
AMRC	US	D748,259	26-Jan-2016	OKIHISA, DAVID T	VSD DESIGN PATENT	Granted
AMRC	US	9,254,148	9-Feb-2016	HART, CHARLES C	LOW-PROFILE SURGICAL UNIVERSAL ACCESS PORT	Granted
AMRC	US	9,254,125	9-Feb-2016	PINGLETON, EDWARD D	BLADELESS OBTURATOR	Granted
AMRC	US	9,259,238	16-Feb-2016	ALBRECHT, JEREMY J	BALLOON TROCAR	Granted
AMRC	US	9,265,899	23-Feb-2016	ALBRECHT, JEREMY J	INSUFFLATING ACCESS SYSTEM	Granted
AMRC	US	9,289,200	22-Mar-2016	DANG, KEVIN K	NATURAL ORIFICE SURGERY SYSTEM	Granted
AMRC	US	9,289,115	22-Mar-2016	DANG, KEVIN K	NATURAL ORIFICE SURGERY SYSTEM	Granted
AMRC	US	9,289,213	22-Mar-2016	AHLBERG, RUSSELL E	MULTIPLE CLIP APPLIER APPARATUS AND METHOD	Granted
AMRC	US	9,295,459	29-Mar-2016	PINGLETON, EDWARD D	SURGICAL ACCESS SYSTEM	Granted
AMRC	US	9,307,975	12-Apr-2016	ALBRECHT, JEREMY J	WOUND RETRACTOR	Granted
AMRC	US	9,314,266	19-Apr-2016	KAHLE, HENRY	FIRST ENTRY TROCAR SYSTEM	Granted
AMRC	US	9,320,563	26-Apr-2016	BRUSTAD, JOHN R	ELECTROSURGICAL INSTRUMENTS AND CONNECTIONS THERE TO	Granted
AMRC	US	9,326,776	3-May-2016	GADBERRY, DONALD L	MANUALLY ACTUATED SURGICAL CLIP APPLIER	Granted
AMRC	US	9,358,040	7-Jun-2016	KAHLE, HENRY	FIRST ENTRY TROCAR SYSTEM	Granted

AMRC	US	9,393,042	19-Jul-2016	HART, CHARLES C	COAXIAL TROCAR SEALS HAVING SEQUENTIAL ADJACENT OPENINGS	Granted
AMRC	US	9,421,034	23-Aug-2016	HART, CHARLES C	TROCAR SURGICAL SEAL	Granted
AMRC	US	9,427,257	30-Aug-2016	ALBRECHT, JEREMY J	HIGHLY RESPONSIVE INSTRUMENT SEAL	Granted
AMRC	US	9,449,532	20-Sep-2016	BLACK, KATIE	HERNIA MODEL	Granted
AMRC	US	9,468,463	18-Oct-2016	ALBRECHT, JEREMY J	INSTRUMENT SEAL	Granted
AMRC	US	9,472,121	18-Oct-2016	PRAVONG, BOUN	PORTABLE LAPAROSCOPIC TRAINER	Granted
AMRC	US	9,474,548	25-Oct-2016	HOAN, ANDREW N	SHIELD LOCKOUT FOR BLADED OBTURATOR AND TROCARS	Granted
AMRC	US	9,474,519	25-Oct-2016	BRUSTAD, JOHN R	HAND ACCESS LAPAROSCOPIC DEVICE	Granted
AMRC	US	9,492,062	15-Nov-2016	TAYLOR, SCOTT V	VISUAL INSUFFLATION PORT	Granted
AMRC	US	9,522,265	20-Dec-2016	PRAVONG, BOUN	TROCAR CANNULA ASSEMBLY WITH LOW PROFILE INSERTION CONFIGURATION AND METHOD OF MANUFACTURE	Granted
AMRC	US	9,545,248	17-Jan-2017	TAYLOR, SCOTT V	BLUNT TIP OBTURATOR	Granted
AMRC	US	9,548,002	17-Jan-2017	HOLMES, HEIDI	FIRST ENTRY MODEL	Granted
AMRC	US	9,561,024	7-Feb-2017	NGUYEN, ERIC	WOUND RETRACTOR	Granted
AMRC	US	9,566,108	14-Feb-2017	FALKENSTEIN, ZORAN	ELECTROSURGICAL SYSTEM	Granted
AMRC	US	9,579,115	28-Feb-2017	KAHLE, HENRY	TISSUE RETRIEVAL SYSTEM	Granted
AMRC	US	9,642,608	9-May-2017	BOLANOS, EDUARDO	GELS HAVING PERMANENT TACK FREE COATINGS AND METHOD OF MANUFACTURE	Granted

Pending Patent Applications

Owner	Country	Application Number	Filing Date	FirstOfInventor	Application Title	Application Status
AMRC	US	14/195,327	3-Mar-2014	HART, CHARLES C	ADVANCED SURGICAL SIMULATION CONSTRUCTIONS AND METHODS	Pending
AMRC	US	62/355,170	27-Jun-2016	HOFSTETTER, GREGORY K.	SIMULATED ABDOMINAL WALL	Pending
AMRC	US	62/366,735	26-Jul-2016	HUDSON, BILL	AUTOMATED	Pending

					IDENTIFICATION OF OBJECTS CONTACTED DURING SIMULATOR USE	
AMRC	US	62/393,305	12-Sep-2016	BECERRA, MATTHEW M	SURGICAL ROBOTIC ACCESS SYSTEM FOR IRREGULARLY SHAPED ROBOTIC ACTUATORS AND ASSOCIATED ROBOTIC SURGICAL INSTRUMENTS	Pending
AMRC	US	15/355,155	18-Nov-2016	BLACK, KATIE	SIMULATED DISSECTIBLE TISSUE	Pending
AMRC	US	15/370,122	6-Dec-2016	TAYLOR, SCOTT V	BLUNT TIP OBTURATOR	Pending
AMRC	US	15/431,595	13-Feb-2017	BRUSTAD, JOHN R	ELECTROSURGICAL SYSTEM	Pending
AMRC	US	62/458,961	14-Feb-2017	VELASCO, JOEL B	LAPAROSCOPIC TRAINING SYSTEM	Pending
AMRC	US	62/458,972	14-Feb-2017	VELASCO, JOEL B	LAPAROSCOPIC TRAINING SYSTEM	Pending
AMRC	US	62/462,701	23-Feb-2017	DRAGANOV, MILAN	SYNTHETIC TISSUE STRUCTURES FOR ELECTROSURGICAL TRAINING AND SIMULATION	Pending
AMRC	US	15/486,227	12-Apr-2017	JASEMIAN, BABAK D.	RELOAD SHAFT ASSEMBLY FOR SURGICAL STAPLER	Pending
AMRC	US	15/486,008	12-Apr-2017	REED, CHRISTINA	SURGICAL STAPLER HAVING A POWERED HANDLE	Pending
AMRC	US	15/485,620	12-Apr-2017	SCHOBER, JOSHUA M.	SURGICAL STAPLER HAVING ARTICULATION MECHANISM	Pending
AMRC	US	15/488,968	17-Apr-2017	KAHLE, HENRY	BLADELESS OPTICAL OBTURATOR	Pending
AMRC	US	15/491,218	19-Apr-2017	PRAVONGVIE NGKHAM, KENNII	TROCAR CANNULA ASSEMBLY AND METHOD OF MANUFACTURE	Pending
AMRC	US	15/493,682	21-Apr-2017	PATEL, ATAL C.	LAPAROSCOPIC CLIP APPLIER	Pending
AMRC	US	15/498,157	26-Apr-2017	KESSLER, STEVEN C	SYSTEMS AND METHODS FOR TISSUE REMOVAL	Pending
AMRC	US	62/505,011	11-May-2017	HOFSTETTER, GREGORY K.	CAMERA NAVIGATION TRAINING SYSTEM	Pending
AMRC	US	15/595,524	15-May-2017	ALBRECHT, JEREMY J	WOUND RETRACTOR WITH SPLIT HOOPS	Pending
AMRC	US	62/511,240	25-May-2017	VELASCO, JOEL B.	LAPAROSCOPIC TRAINING SYSTEM	Pending
AMRC	US	62/511,246	25-May-2017	VELASCO,	LAPAROSCOPIC	Pending

				JOEL B.	TRAINING SYSTEM	
AMRC	US	11/279,600	13-Apr-2006	HART, CHARLES C	DUCK BILL SEPTUM COMBINATION	Published
AMRC	US	13/618,453	14-Sep-2012	WIXEY, MATTHEW A	SURGICAL STAPLER WITH FIRING LOCK MECHANISM	Published
AMRC	US	13/659,462	24-Oct-2012	PRAVONG, BOUN	METHOD AND APPARATUS FOR TISSUE MORCELLATION	Published
AMRC	US	13/909,669	4-Jun-2013	HART, CHARLES C	SURGICAL ACCESS DEVICE COMPRISING INTERNAL RETRACTOR	Published
AMRC	US	13/957,973	2-Aug-2013	HART, CHARLES C	SIMULATED STAPLING AND ENERGY BASED LIGATION FOR SURGICAL TRAINING	Published
AMRC	US	14/036,129	25-Sep-2013	BRESLIN, TRACY	SURGICAL TRAINING MODEL FOR LAPAROSCOPIC PROCEDURES	Published
AMRC	US	14/036,168	25-Sep-2013	BRESLIN, TRACY	SURGICAL TRAINING MODEL FOR LAPAROSCOPIC PROCEDURES	Published
AMRC	US	14/037,005	25-Sep-2013	BRESLIN, TRACY	SURGICAL TRAINING MODEL FOR LAPAROSCOPIC PROCEDURES	Published
AMRC	US	14/038,104	26-Sep-2013	BRESLIN, TRACY	SURGICAL TRAINING MODEL FOR LAPAROSCOPIC PROCEDURES	Published
AMRC	US	14/039,283	27-Sep-2013	POULSEN, NIKOLAI	TRAINING MODEL FOR TRANSLUMINAL LAPAROSCOPIC PROCEDURES	Published
AMRC	US	14/040,212	27-Sep-2013	POULSEN, NIKOLAI	SURGICAL TRAINING MODEL FOR LAPAROSCOPIC PROCEDURES	Published
AMRC	US	14/205,695	12-Mar-2014	AHLBERG, RUSSELL E	METHOD OF MANUFACTURING A TACK-FREE GLE FOR SURGICAL DEVICE	Published
AMRC	US	14/211,296	14-Mar-2014	BECERRA, MATTHEW M	MECHANICAL GEL SURGICAL ACCESS DEVICE	Published
AMRC	US	14/212,357	14-Mar-2014	HOPKINS, TIMOTHY M.	SURGICAL STAPLER WITH PARTIAL POCKETS	Published
AMRC	US	14/211,570	14-Mar-2014	COVACH, JONATHAN	SURGICAL STAPLER WITH EXPANDABLE JAW	Published

AMRC	US	14/223,032	24-Mar-2014	BRUSTAD, JOHN R	MEDICAL TUBING HAVING VARIABLE CHARACTERISTICS AND METHOD OF MAKING SAME	Published
AMRC	US	14/269,529	5-May-2014	JOHNSON, GARY M	SURGICAL ACCESS PORT AND METHOD OF USING SAME	Published
AMRC	US	14/308,385	18-Jun-2014	BLACK, KATIE	GALLBLADDER MODEL	Published
AMRC	US	14/491,498	19-Sep-2014	DO, ALEXANDRA	NATURAL ORIFICE ACCESS DEVICE	Published
AMRC	US	14/504,082	1-Oct-2014	TAYLOR, SCOTT V	ACCESS SEALING APPARATUS AND METHOD	Published
AMRC	US	14/505,105	2-Oct-2014	ELLIOTT, PATRICK	ELECTROSURGICAL PROBES FOR SUCTION AND IRRIGATION SYSTEMS	Published
AMRC	US	14/542,090	14-Nov-2014	VELASCO, JOEL B	TROCAR CANNULA ASSEMBLY AND METHOD OF MANUFACTURE	Published
AMRC	US	14/602,424	22-Jan-2015	HART, CHARLES C	ADVANCED SURGICAL SIMULATION	Published
AMRC	US	14/610,292	30-Jan-2015	PRAVONGVIE NGKHAM, KENNII	TROCAR CANNULA WITH ATRAUMATIC TIP	Published
AMRC	US	14/623,265	16-Feb-2015	TAYLOR, SCOTT V	LAPAROSCOPIC TISSUE RETRIEVAL SYSTEM	Published
AMRC	US	14/636,252	3-Mar-2015	McGINLEY, KIMBALL B	SURGICAL ACCESS PORT	Published
AMRC	US	14/657,925	13-Mar-2015	HOFSTETTER, GREGORY K.	ADVANCED FIRST ENTRY MODEL FOR SURGICAL SIMULATION	Published
AMRC	US	14/679,595	6-Apr-2015	HART, CHARLES C	SURGICAL STAPLE- CLIP AND APPLIER	Published
AMRC	US	14/699,954	29-Apr-2015	PRAVONG, BOUN	GAS INSUFFLATION AND SUCTION/IRRIGATION TUBING	Published
AMRC	US	14/715,086	18-May-2015	TAYLOR, SCOTT V	SINGLE INCISION LAPAROSCOPIC TISSUE RETRIEVAL SYSTEM	Published
AMRC	US	14/794,052	8-Jul-2015	ALBRECHT, JEREMY J	WOUND RETRACTOR WITH SPLIT HOOPS	Published
AMRC	US	14/825,639	13-Aug-2015	THRESS, JOHN	WOUND RETRACTOR	Published
AMRC	US	14/826,336	14-Aug-2015	WACHLI, SERENE	NATURAL ORIFICE SURGERY SYSTEM	Published
AMRC	US	14/834,137	24-Aug-2015	DE ALDAY, PHILLIP	SINGLE PORT INSTRUMENTS	Published
AMRC	US	14/841,941	1-Sep-2015	ALBRECHT,	INSUFFLATING	Published

				JEREMY J	OPTICAL SURGICAL INSTRUMENT	
AMRC	US	14/848,116	8-Sep-2015	SABARAD, JAGDISH	ELECTROSURGICAL SYSTEM	Published
AMRC	US	14/875,067	5-Oct-2015	FELSINGER, NATASHA	SIMULATED DISSECTABLE TISSUE	Published
AMRC	US	14/885,072	16-Oct-2015	WACHLI, SERENE	SYSTEMS AND METHODS FOR TISSUE REMOVAL	Published
AMRC	US	14/933,892	5-Nov-2015	HOPKINS, TIMOTHY M.	SURGICAL STAPLER WITH CIRCUMFERENTIAL FIRING	Published
AMRC	US	14/940,444	13-Nov-2015	HOKE, ADAM	SIMULATED TISSUE STRUCTURE FOR SURGICAL TRAINING	Published
AMRC	US	14/950,261	24-Nov-2015	HART, CHARLES C	CIRCUMFERENTIAL WOUND RETRACTION WITH SUPPORT AND GUIDANCE STRUCTURES	Published
AMRC	US	14/973,366	17-Dec-2015	Le, Richard	BIPOLAR ELECTROSURGICAL SEALER AND DIVIDER	Published
AMRC	US	15/016,080	4-Feb-2016	DANG, KEVIN K	NATURAL ORIFICE SURGERY SYSTEM	Published
AMRC	US	15/056,056	29-Feb-2016	ALBRECHT, JEREMY J	WOUND RETRACTOR	Published
AMRC	US	15/064,049	8-Mar-2016	KAHLE, HENRY	FIRST-ENTRY TROCAR SYSTEM	Published
AMRC	US	15/068,366	11-Mar-2016	WACHLI, SERENE	SYSTEMS AND METHODS FOR TISSUE REMOVAL	Published
AMRC	US	15/133,822	20-Apr-2016	HOFSTETTER, GREGORY K.	SIMULATED TISSUE MODELS AND METHODS	Published
AMRC	US	15/136,652	22-Apr-2016	BRUSTAD, JOHN R	ELECTROSURGICAL INSTRUMENTS AND CONNECTIONS THERETO	Published
AMRC	US	15/166,661	27-May-2016	SALEH, KHODR	SURGICAL TRAINING MODEL FOR LAPAROSCOPIC PROCEDURES	Published
AMRC	US	15/185,360	17-Jun-2016	HOFSTETTER, GREGORY K.	SIMULATED TISSUE STRUCTURES AND METHODS	Published
AMRC	US	15/196,551	29-Jun-2016	BLACK, KATIE	HERNIA MODEL	Published
AMRC	US	15/208,873	13-Jul-2016	FELSINGER, NATASHA	SYNTHETIC TISSUE STRUCTURES FOR ELECTROSURGICAL TRAINING AND SIMULATION	Published
AMRC	US	15/209,565	13-Jul-2016	HOFSTETTER, GREGORY K.	SIMULATED DISSECTIBLE TISSUE	Published

AMRC	US	15/215,853	21-Jul-2016	SALEH, KHODR	APPENDECTOMY MODEL	Published
AMRC	US	15/230,833	8-Aug-2016	DECKER, STEVEN E.	SURGICAL STAPLER HAVING LOCKING ARTICULATION JOINT	Published
AMRC	US	15/237,184	15-Aug-2016	HART, CHARLES C	TROCAR SURGICAL SEAL	Published
AMRC	US	15/249,080	26-Aug-2016	ALBRECHT, JEREMY J	WOUND RETRACTORS WITH NON-CIRCULAR, NON-COPLANAR OR NON-PARALLEL INNER RINGS	Published
AMRC	US	15/253,455	31-Aug-2016	PATEL, ATAL C.	SURGICAL ROBOTIC ACCESS SYSTEM	Published
AMRC	US	15/261,422	9-Sep-2016	GORSKI, STEVEN	LAPAROSCOPIC SUTURING SYSTEM	Published
AMRC	US	15/263,552	13-Sep-2016	BECERRA, MATTHEW M	SURGICAL STAPLER WITH SELF-ADJUSTING STAPLE HEIGHT	Published
AMRC	US	15/269,113	19-Sep-2016	PRAVONG, BOUN	PORTABLE LAPAROSCOPIC TRAINER	Published
AMRC	US	15/282,781	30-Sep-2016	SIAS, RALPH M.	INSUFFLATION STABILIZATION SYSTEM	Published
AMRC	US	15/288,846	7-Oct-2016	ALBRECHT, JEREMY J	WOUND RETRACTOR WITH MULTI- SEGMENT OUTER RING	Published
AMRC	US	15/291,390	12-Oct-2016	TAYLOR, SCOTT V	VISUAL INSUFFLATION PORT	Published
AMRC	US	15/334,102	25-Oct-2016	McFARLAND, DANIEL	ELECTROSURGICAL SEAL AND DISSECTION SYSTEMS	Published
AMRC	US	15/347,660	9-Nov-2016	DO, ALEXANDRA	SYSTEMS AND METHODS FOR TISSUE CONTAINMENT AND RETRIEVAL	Published
AMRC	US	15/348,618	10-Nov-2016	PRAVONG, BOUN	TROCAR CANNULA ASSEMBLY WITH LOW PROFILE INSERTION CONFIGURATION AND METHOD OF MANUFACTURE	Published
AMRC	US	15/348,089	10-Nov-2016	WACHLI, SERENE	SYSTEMS AND METHODS FOR TISSUE REMOVAL	Published
AMRC	US	15/370,231	6-Dec-2016	BLACK, KATIE	FIRST ENTRY MODEL	Published
AMRC	US	15/383,803	19-Dec-2016	NGUYEN, ERIC	WOUND RETRACTOR	Published
AMRC	US	15/409,831	19-Jan-2017	KAHLE, HENRY	TISSUE RETRIEVAL SYSTEM	Published
AMRC	US	15/019,859	9-Feb-2016	DANG, KEVIN K	NATURAL ORIFICE SURGERY SYSTEM	Published
AMRC	US	15/202,327	5-Jul-2016	BLACK, KATIE	HYSTERECTOMY MODEL	Published
AMRC	US	12/873,115	31-Aug-2010	ALBRECHT,	MULTIFUNCTIONAL	Allowed

				JEREMY J	SURGICAL ACCESS SYSTEM	
AMRC	US	13/449,017	17-Apr-2012	AU, GIGI	TROCARS WITH ADVANCED FIXATION	Allowed
AMRC	US	14/164,954	27-Jan-2014	KAHLE, HENRY	STEERABLE KINK-RESISTANT SHEATH	Allowed
AMRC	US	14/213,493	14-Mar-2014	PATEL, ATAL C.	SURGICAL STAPLER HANDLE ASSEMBLY HAVING ACTUATION MECHANISM WITH LONGITUDINALLY ROTATABLE SHAFT	Allowed
AMRC	US	14/572,134	16-Dec-2014	KAHLE, HENRY	BLADELESS OPTICAL OBTURATOR	Allowed
AMRC	US	14/794,400	8-Jul-2015	ALBRECHT, JEREMY J	MULTIFUNCTIONAL SURGICAL ACCESS SYSTEM	Allowed
AMRC	US	14/879,312	9-Oct-2015	KESSLER, STEVEN C	LAPAROSCOPIC SCISSORS	Allowed
AMRC	US	15/221,894	28-Jul-2016	HART, CHARLES C	HIGHLY RESPONSIVE INSTRUMENT SEAL	Allowed