

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7228679

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
ECA MEDICAL INSTRUMENTS	03/10/2022
ECA ACQUISITION HOLDINGS, INC.	03/10/2022

RECEIVING PARTY DATA

Name:	MIDCAP FINANCIAL TRUST
Street Address:	7255 WOODMONT AVE., SUITE 200
City:	BETHESDA
State/Country:	MARYLAND
Postal Code:	20814

PROPERTY NUMBERS Total: 83

Property Type	Number
Patent Number:	7762164
Patent Number:	7938046
Patent Number:	D652137
Patent Number:	D652138
Patent Number:	D655413
Patent Number:	8783997
Patent Number:	8943667
Patent Number:	8832919
Patent Number:	9243658
Patent Number:	9095964
Patent Number:	9095965
Patent Number:	9132536
Patent Number:	9162350
Patent Number:	9173813
Patent Number:	9242357
Patent Number:	9241751
Patent Number:	D779058
Patent Number:	D779059
Patent Number:	D768853

PATENT

Property Type	Number
Patent Number:	D779663
Patent Number:	D779060
Patent Number:	9445873
Patent Number:	9346155
Patent Number:	9446507
Patent Number:	9409285
Patent Number:	9504528
Patent Number:	9504479
Patent Number:	9549745
Patent Number:	9668797
Patent Number:	9603673
Patent Number:	9615838
Patent Number:	D798446
Patent Number:	9949795
Patent Number:	9943948
Patent Number:	9931741
Patent Number:	9895796
Patent Number:	9895794
Patent Number:	9877764
Patent Number:	9868194
Patent Number:	9949780
Patent Number:	10245094
Patent Number:	10219853
Patent Number:	10099354
Patent Number:	10195724
Patent Number:	10220477
Patent Number:	10081083
Patent Number:	10160105
Patent Number:	10219854
Patent Number:	10098647
Patent Number:	10279146
Patent Number:	10716687
Patent Number:	11203102
Patent Number:	10920833
Patent Number:	10618149
Patent Number:	10471575
Patent Number:	10688634
Patent Number:	10343269

Property Type	Number
Patent Number:	11141842
Patent Number:	10730171
Patent Number:	10131040
Application Number:	15588375
Application Number:	15172041
Application Number:	17053998
Application Number:	16761494
Application Number:	17079383
Application Number:	16968566
Application Number:	16968571
Application Number:	16968569
Application Number:	16968568
Application Number:	16761495
Application Number:	16788210
Application Number:	16337909
Application Number:	16419942
Application Number:	16419976
Application Number:	16397766
Application Number:	16146431
PCT Number:	US2017017260
PCT Number:	US2017062631
PCT Number:	US2017062635
PCT Number:	US2017058741
PCT Number:	US2017014967
PCT Number:	US2017014970
PCT Number:	US2018028956

CORRESPONDENCE DATA

Fax Number: (703)610-6200

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: 7036106100

Email: boxip@hoganlovells.com

Correspondent Name: GRETA D. FELDMAN OF HOGAN LOVELLS US LLP

Address Line 1: 8350 BROAD STREET, 17TH FLOOR

Address Line 2: ATTN: BOX INTELLECTUAL PROPERTY

Address Line 4: TYSONS, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	036639.000150
NAME OF SUBMITTER:	/GRETA D. FELDMAN/

SIGNATURE:	/Greta D. Feldman/
DATE SIGNED:	03/16/2022
Total Attachments: 16 source=MidCap _ ECA Medical _ Patent Security Agreement#page1.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page2.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page3.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page4.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page5.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page6.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page7.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page8.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page9.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page10.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page11.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page12.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page13.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page14.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page15.tif source=MidCap _ ECA Medical _ Patent Security Agreement#page16.tif	

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of the 10th day of March, 2022 by and among **MIDCAP FINANCIAL TRUST**, a Delaware statutory trust (in such capacity, together with its successors and assigns, "Agent"), **ECA MEDICAL INSTRUMENTS**, a California limited liability company ("ECA Medical"), **ECA ACQUISITION HOLDINGS, INC.**, a Delaware corporation ("Holdings") (together with ECA Medical and any other Person that joins this agreement as a Grantor, each a "Grantor" and collectively, the "Grantors").

RECITALS

A. The Lenders have agreed to make certain advances of money and to extend certain financial accommodation to the Grantors and the other Credit Parties (the "Credit Extensions") in the amounts and manner set forth in that certain Credit, Security and Guaranty Agreement, by and between Agent, the Lenders and the Grantors and the other Credit Parties from time to time party thereto dated as of the date hereof (as the same may be amended, modified or supplemented from time to time, the "Credit Agreement"; capitalized terms used herein are used as defined in the Credit Agreement). The Lenders are willing to make the Credit Extensions to the Credit Parties, but only upon the condition, among others, that the Grantors shall grant to Agent, for the ratable benefit of the Lenders, a security interest in certain Copyrights, Trademarks, and Patents (as each term is described below) to secure the obligations of the Credit Parties under the Credit Agreement.

B. Pursuant to the terms of the Credit Agreement, each Grantor has granted to Agent, for the ratable benefit of the Lenders, a security interest in all of such Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Credit Agreement, each Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Credit Agreement, each Grantor grants and pledges to Agent, for the ratable benefit of the Lenders, a security interest in all of such Grantor's right, title and interest in, to and under its intellectual property (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto, as such Exhibit may be amended, modified or supplemented from time to time (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to such Grantor now or hereafter existing, created, acquired or held;

(d) Any and all patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto, as such Exhibit may be amended, modified or supplemented from time to time (collectively, the “Patents”);

(e) Any and all trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of such Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto, as such Exhibit may be amended, modified or supplemented from time to time (collectively, the “Trademarks”);

(f) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(g) All licenses or other rights to use any of the Copyrights, Patents or Trademarks and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(h) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks or Patents; and

(i) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

Notwithstanding the foregoing, the Intellectual Property Collateral does not include any “intent to use” trademarks at all times prior to the first use thereof, whether by the actual use thereof in commerce, the recording of a statement of use with the United States Patent and Trademark Office or otherwise, provided, that upon submission and acceptance by the United States Patent and Trademark Office of an amendment to allege use of an intent-to-use trademark application pursuant to 15 U.S.C. Section 1060(a) (or any successor provision) such intent-to-use application shall constitute Intellectual Property Collateral.

This security interest is granted in conjunction with the security interest granted to Agent, for the ratable benefit of the Lenders, under the Credit Agreement. The rights and remedies of Agent with respect to the security interest granted hereby are in addition to those set forth in the Credit Agreement and the other Financing Documents, and those which are now or hereafter available to Agent as a matter of law or equity. Each right, power and remedy of Agent provided for herein or in the Credit Agreement or any of the Financing Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Agent of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Credit Agreement or any of the other Financing Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Agent, of any or all other rights, powers or remedies.

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT AND ALL DISPUTES AND OTHER MATTERS RELATING HERETO OR THERETO OR ARISING THEREFROM (WHETHER SOUNDING IN CONTRACT LAW, TORT LAW OR OTHERWISE), SHALL BE GOVERNED BY, AND SHALL BE CONSTRUED AND ENFORCED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK, WITHOUT REGARD TO CONFLICTS OF LAWS PRINCIPLES (OTHER THAN SECTION 5-1401 OF THE GENERAL OBLIGATIONS LAW).

EACH GRANTOR AND AGENT HEREBY IRREVOCABLY WAIVES ANY AND ALL RIGHT TO TRIAL BY JURY IN ANY LEGAL ACTION OR PROCEEDING ARISING OUT OF OR RELATING TO THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT AND AGREES THAT ANY SUCH ACTION OR PROCEEDING SHALL BE TRIED BEFORE A COURT AND NOT BEFORE A JURY. EACH GRANTOR AND AGENT ACKNOWLEDGES THAT THIS WAIVER IS A MATERIAL INDUCEMENT TO ENTER INTO A BUSINESS RELATIONSHIP, THAT EACH HAS RELIED ON THE WAIVER IN ENTERING INTO THIS AGREEMENT, AND THAT EACH WILL CONTINUE TO RELY ON THIS WAIVER IN THEIR RELATED FUTURE DEALINGS. EACH GRANTOR AND AGENT WARRANTS AND REPRESENTS THAT IT HAS HAD THE OPPORTUNITY OF REVIEWING THIS JURY WAIVER WITH LEGAL COUNSEL, AND THAT IT KNOWINGLY AND VOLUNTARILY WAIVES ITS JURY TRIAL RIGHTS.

This Intellectual Property Security Agreement may be signed in any number of counterparts, each of which shall be deemed an original and all of which when taken together shall constitute one and the same instrument. Delivery of an executed counterpart of this Intellectual Property Security Agreement by facsimile or by electronic mail delivery of an electronic version (e.g., .pdf or .tif file) of an executed signature page shall be effective as delivery of an original executed counterpart hereof and shall bind the parties hereto.

The provisions of the Credit Agreement regarding choice of law, jurisdiction, and venue are incorporated herein and shall govern this Intellectual Property Security Agreement. This Intellectual Property Security Agreement shall inure to the benefit of Agent, the Lenders and their respective successors and assigns, and shall be binding upon each Grantor and its successors and assigns.

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTORS:

ECA MEDICAL INSTRUMENTS

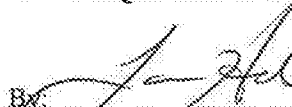
By: 
Name: Lane Hale
Title: President & CEO

Address:

2193 Anchor Court, Thousand Oaks, CA 91320

Attn: Lane Hale
Facsimile: 805-830-0381
E-Mail: lhale@ecamedical.com

ECA ACQUISITION HOLDINGS, INC.

By: 
Name: Lane Hale
Title: President & CEO

AGENT:

MIDCAP FINANCIAL TRUST

By: Apollo Capital Management, L.P.,
its investment manager

By: Apollo Capital Management GP, LLC,
its general partner

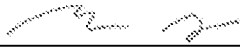
By: 
Name: Maurice Amsellem
Title: Authorized Signatory

EXHIBIT B

Patents

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
ECA Medical Instruments	Torque Limiting Device	US 7,762,164 B2 File No. 044176.010100	Issue Date 7-27-2010	US
ECA Medical Instruments	Enhanced Torque Limiting Device	US 7,938,046 B2 File No. 044176.010101	Issue Date 5-10-2011	US
ECA Medical Instruments	Bulb Shape Medical Instrument Handle	US D652,137 S File No. 044176.010800	Issue Date 1-10-2012	US
ECA Medical Instruments	Bulb Shape Medical Instrument Handle	001896432-0001 File No. 044176.010830	Issue Date 7-26-2011	Europe
ECA Medical Instruments	Divoted Medical Instrument Handle	US D652,138 S File No. 044176.010810	Issue Date 1-10-2012	US
ECA Medical Instruments	Divoted Medical Instrument Handle	001896432-0002 File No. 044176.010830	Issue Date 7-26-2011	Europe
ECA Medical Instruments	Undulated Medical Instrument Handle	US D655,413 S File No. 044176.010820	Issue Date 3-6-2012	US
ECA Medical Instruments	Undulated Medical Instrument Handle	001896432-0003 File No. 044176.010830	Issue Date 7-26-2011	Europe
ECA Medical Instruments	Stress Reducing Tool Mount (Design)	US 8,783,997 B2 File No. 044176.002011	Issue Date 7-22-2014	US
ECA Medical Instruments	Stress Reducing Tool Mount (Method)	US 8,943,667 B2 File No. 044176.002012	Issue Date 2-3-2015	US
ECA Medical Instruments	Flanged Ribbed Nut	US 8,832,919 B2 File No. 044176.010231	Issue Date 9-16-2014	US
ECA Medical Instruments	Flanged Ribbed Nut Attachment (Continuation of US 8,832,919)	US 9,243,658 B2 File No. 044176.010264	Issue Date 1-26-2016	US
ECA Medical Instruments	Disposable Torque Limiting Device with Belt Counter	US 9,095,964 B2 File No. 044176.010410	Issue Date 8-4-2015	US
ECA Medical Instruments	Disposable Torque Limiting Device with Tooth Belt Counter	US 9,095,965 B2 File No. 044176.010411	Issue Date 8-4-2015	US
ECA Medical Instruments	Cannulated Ultra High Torque Device	US 9,132,536 B2 File No. 044176.010216	Issue Date 9-15-2015	US
ECA Medical Instruments	Cannulated Ultra High	2,800,366 (Canada)	Issue Date	Canada

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
	Torque Device	File No. 044176.010212	4-17-2018	
ECA Medical Instruments	Cannulated Ultra High Torque Device	ZL 2011800336252 (China) File No. 044176.010214	Issue Date 3-16-2016	China
ECA Medical Instruments	Robust Nose Torque-Limiting Device	US 9,162,350 B2 File No. 044176.010501	Issue Date 10-20-2015	US
ECA Medical Instruments	Medical Tool and Waste Collection Device	US 9,173,813 B2 File No. 044176.001614	Issue Date 11-3-2015	US
ECA Medical Instruments	Medical Tool and Waste Collection Device	2,826,763 (Canada) File No. 044176.001613	Issue Date 11-24-2015	Canada
ECA Medical Instruments	Enhanced High Torque Device	US 9,242,357 B2 File No. 044176.010514	Issue Date 1-26-2016	US
ECA Medical Instruments	Cannulated Torque Device and Tip Engagement	US 9,241,751 B2 File No. 044176.010303	Issue Date 1-26-2016	US
ECA Medical Instruments	Medical Instrument Waffle Handle	ECD Registration # 002831735-0001 File No. 044176.001627	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Surgical Implant Driver handel (Medical Instrument Waffle Handle)	164663 (Canada) File No. 044176.001628	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Bulb Shape Medical Instrument Handle	001896432-0001 File No. 044176.010830	Issue Date 7-26-2011	Europe
ECA Medical Instruments	Divoted Medical Instrument Handle	US D652,138 S File No. 044176.010810	Issue Date 1-10-2012	US
ECA Medical Instruments	Divoted Medical Instrument Handle	001896432-0002 File No. 044176.010830	Issue Date 7-26-2011	Europe
ECA Medical Instruments	Undulated Medical Instrument Handle	US D655,413 S File No. 044176.010820	Issue Date 3-6-2012	US
ECA Medical Instruments	Undulated Medical Instrument Handle	001896432-0003 File No. 044176.010830	Issue Date 7-26-2011	Europe
ECA Medical Instruments	Stress Reducing Tool Mount (Design)	US 8,783,997 B2 File No. 044176.002011	Issue Date 7-22-2014	US
ECA Medical Instruments	Stress Reducing Tool Mount (Method)	US 8,943,667 B2 File No. 044176.002012	Issue Date 2-3-2015	US
ECA Medical Instruments	Flanged Ribbed Nut	US 8,832,919 B2	Issue Date	US

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
		File No. 044176.010231	9-16-2014	
ECA Medical Instruments	Flanged Ribbed Nut Attachment (Continuation of US 8,832,919)	US 9,243,658 B2 File No. 044176.010264	Issue Date 1-26-2016	US
ECA Medical Instruments	Disposable Torque Limiting Device with Belt Counter	US 9,095,964 B2 File No. 044176.010410	Issue Date 8-4-2015	US
ECA Medical Instruments	Disposable Torque Limiting Device with Tooth Belt Counter	US 9,095,965 B2 File No. 044176.010411	Issue Date 8-4-2015	US
ECA Medical Instruments	Cannulated Ultra High Torque Device	US 9,132,536 B2 File No. 044176.010216	Issue Date 9-15-2015	US
ECA Medical Instruments	Cannulated Ultra High Torque Device	2,800,366 (Canada) File No. 044176.010212	Issue Date 4-17-2018	Canada
ECA Medical Instruments	Cannulated Ultra High Torque Device	ZL 2011800336252 (China) File No. 044176.010214	Issue Date 3-16-2016	China
ECA Medical Instruments	Robust Nose Torque-Limiting Device	US 9,162,350 B2 File No. 044176.010501	Issue Date 10-20-2015	US
ECA Medical Instruments	Medical Tool and Waste Collection Device	US 9,173,813 B2 File No. 044176.001614	Issue Date 11-3-2015	US
ECA Medical Instruments	Medical Tool and Waste Collection Device	2,826,763 (Canada) File No. 044176.001613	Issue Date 11-24-2015	Canada
ECA Medical Instruments	Enhanced High Torque Device	US 9,242,357 B2 File No. 044176.010514	Issue Date 1-26-2016	US
ECA Medical Instruments	Cannulated Torque Device and Tip Engagement	US 9,241,751 B2 File No. 044176.010303	Issue Date 1-26-2016	US
ECA Medical Instruments	Medical Instrument Waffle Handle	ECD Registration # 002831735-0001 File No. 044176.001627	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Surgical Implant Driver handel (Medical Instrument Waffle Handle)	164663 (Canada) File No. 044176.001628	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Bulb Shape Medical Instrument Handle	001896432-0001 File No. 044176.010830	Issue Date 7-26-2011	Europe
ECA Medical Instruments	Divoted Medical Instrument Handle	US D652,138 S File No. 044176.010810	Issue Date 1-10-2012	US
ECA Medical Instruments	Divoted Medical	001896432-0002	Issue Date	Europe

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
	Instrument Handle	File No. 044176.010830	7-26-2011	
ECA Medical Instruments	Undulated Medical Instrument Handle	US D655,413 S File No. 044176.010820	Issue Date 3-6-2012	US
ECA Medical Instruments	Undulated Medical Instrument Handle	001896432-0003 File No. 044176.010830	Issue Date 7-26-2011	Europe
ECA Medical Instruments	Stress Reducing Tool Mount (Design)	US 8,783,997 B2 File No. 044176.002011	Issue Date 7-22-2014	US
ECA Medical Instruments	Stress Reducing Tool Mount (Method)	US 8,943,667 B2 File No. 044176.002012	Issue Date 2-3-2015	US
ECA Medical Instruments	Flanged Ribbed Nut	US 8,832,919 B2 File No. 044176.010231	Issue Date 9-16-2014	US
ECA Medical Instruments	Flanged Ribbed Nut Attachment (Continuation of US 8,832,919)	US 9,243,658 B2 File No. 044176.010264	Issue Date 1-26-2016	US
ECA Medical Instruments	Disposable Torque Limiting Device with Belt Counter	US 9,095,964 B2 File No. 044176.010410	Issue Date 8-4-2015	US
ECA Medical Instruments	Disposable Torque Limiting Device with Tooth Belt Counter	US 9,095,965 B2 File No. 044176.010411	Issue Date 8-4-2015	US
ECA Medical Instruments	Cannulated Ultra High Torque Device	US 9,132,536 B2 File No. 044176.010216	Issue Date 9-15-2015	US
ECA Medical Instruments	Cannulated Ultra High Torque Device	2,800,366 (Canada) File No. 044176.010212	Issue Date 4-17-2018	Canada
ECA Medical Instruments	Cannulated Ultra High Torque Device	ZL 2011800336252 (China) File No. 044176.010214	Issue Date 3-16-2016	China
ECA Medical Instruments	Robust Nose Torque-Limiting Device	US 9,162,350 B2 File No. 044176.010501	Issue Date 10-20-2015	US
ECA Medical Instruments	Medical Tool and Waste Collection Device	US 9,173,813 B2 File No. 044176.001614	Issue Date 11-3-2015	US
ECA Medical Instruments	Medical Tool and Waste Collection Device	2,826,763 (Canada) File No. 044176.001613	Issue Date 11-24-2015	Canada
ECA Medical Instruments	Enhanced High Torque Device	US 9,242,357 B2 File No. 044176.010514	Issue Date 1-26-2016	US
ECA Medical Instruments	Cannulated Torque Device and Tip Engagement	US 9,241,751 B2 File No. 044176.010303	Issue Date 1-26-2016	US

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
ECA Medical Instruments	Medical Instrument Waffle Handle	ECD Registration # 002831735-0001 File No. 044176.001627	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Surgical Implant Driver handel (Medical Instrument Waffle Handle)	164663 (Canada) File No. 044176.001628	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Bulb Shaped Medical Instrument Handle with Wells	US D779,058 S File No. 044176.001618	Issue Date 2-14-2017	US
ECA Medical Instruments	Bulb Shaped Medical Instrument Handle with Wells	002831735-0002 File No. 044176.001629	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Surgical Implant Driver (Bulb Shaped Medical Instrument Handle with Wells)	164662 (Canada) File No. 044176.001630	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Elongated Medical Instrument Handle with Ridges	US D779,059 S File No. 044176.001616	Issue Date 2-14-2017	US
ECA Medical Instruments	Elongated Medical Instrument Handle with Ridges	002831735-0003 File No. 044176.001625	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Surgical Implant Driver Handle (Elongated Medical Instrument Handle with Ridges)	164667 (Canada) File No. 044176.001626	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Medical Instrument with Waffle Handle with Bent Shaft	US D768,853 S File No. 044176.010618	Issue Date 10-11-2016	US
ECA Medical Instruments	Medical Instrument with Waffle Handle with Bent Shaft	002831735-0004 File No. 044176.010625	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Surgical Implant Driver (Medical Instrument with Waffle Handle with Bent Shaft)	164688 (Canada) File No. 044176.010626	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Two Headed Waffle Handle Drill Guide	002831735-0005 File No. 044176.010621	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Two Headed Drill Guide (Two Headed Waffle Handle Drill Guide)	164666 (Canada) File No. 044176.010622	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Two Headed Drill Guide	002831735-0006 File No. 044176.010623	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Two Headed Drill Guide	164687 (Canada) File No. 044176.010624	Issue Date 11-16-2016	Canada

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
ECA Medical Instruments	Elongated Handle with Cavities and Bulb	002831735-0007 File No. 044176.020031	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Surgical Implant Driver (Elongated Handle with Cavities and Bulb)	164686 (Canada) File No. 044176.020032	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Medical Instrument Handle with Strike Plate	US D779,663 S File No. 044176.020040	Issue Date 2-21-2017	US
ECA Medical Instruments	Tapered Handle with Strike Plate and Cavities	002831735-0008 File No. 044176.020041	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Surgical Implant Driver Handle (Tapered Handle with Strike Plate and Cavities)	164690 (Canada) File No. 044176.020042	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Medical Instrument Handle	US D779,060 S File No. 044176.020050	Issue Date 2-14-2017	US
ECA Medical Instruments	Tapered Handle with Cavities	002831735-0009 File No. 044176.020053	Issue Date 10-21-2015	Europe
ECA Medical Instruments	Surgical Implant Driver Handle (Tapered Handle with Cavities)	164689 (Canada) File No. 044176.020054	Issue Date 11-16-2016	Canada
ECA Medical Instruments	Ultra High Torque Device	ZL 2011800336445 (China) File No. 044176.010204	Issue Date 1-20-2016	China
ECA Medical Instruments	Ultra High Torque Device	US 9,445,873 B2 File No. 044176.010206	Issue Date 9-20-2016	US
ECA Medical Instruments	End Aligned Flexible Connection Sleeves	US 9,346,155 B2 File No. 044176.010253	Issue Date 5-24-2016	US
ECA Medical Instruments	Ratcheting Torque Device	US 9,446,507 B2 File No. 044176.010714	Issue Date 9-20-2016	US
ECA Medical Instruments	Base for Disposable Selectable Torque Limiting Device	US 9,409,285 B2 File No. 044176.010926	Issue Date 8-9-2016	US
ECA Medical Instruments	Bi-Directional Ramped Disposable Torque Limiting Device (bi-directionalramp torque)	US 9,504,528 B2 File No. 044176.010922	Issue Date 11-29-2016	US
ECA Medical Instruments	Co-Axial Hot Swappable System for Minimally Invasive Medical Procedures	US 9,504,479 B2 File No. 044176.010755	Issue Date 11-29-2016	US
ECA Medical Instruments	Delivery Devices and Systems for Tools used in	US 9,549,745 B2 File No.	Issue Date 1-24-2017	US

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
	Medical Procedures	044176.001621		
ECA Medical Instruments	Bi-Directional Ramped Disposable Torque Limiting Device (bi-directional ramp torque)	US 9,668,797 B2 File No. 044176.020200	Issue Date 6-6-2017	US
ECA Medical Instruments	Co-Axial Hot Swappable System for Minimally Invasive Medical Procedures	US 9,603,673 B2 File No. 044176.010756	Issue Date 3-28-2017	US
ECA Medical Instruments	Trocar Device with Detachable Handle and Associated Methods	US 9,615,838 B2 File No. 044176.010941	Issue Date 4-11-2017	US
ECA Medical Instruments	Elongated Medical Instrument Handle with Ridges	US D798,446 S File No. 044176.001680	Issue Date 9-26-2017	US
ECA Medical Instruments	Disposable Ratcheting Torque Device	2,903,436 (Canada) File No. 044176.010712	Issue Date 8-1-2017	Canada
ECA Medical Instruments	Enhanced Torque Limiting Device	2,825,091 (Canada) File No. 044176.010513	Issue Date 10-3-2017	Canada
ECA Medical Instruments	Fortified Plastic Connector Mount for Disposable Devices (Nose/Tail Cone)	US 9,949,795 B2 File No. 044176.010744	Issue Date 4-24-2018	US
ECA Medical Instruments	Fortified Plastic Disposable Torque Devices (T-Handle or other Instrument)	US 9,943,948 B2 File No. 044176.010724	Issue Date 4-17-2018	US
ECA Medical Instruments	In-line Disposable Torque Limiting Device Suitable for Power Drive	US 9,931,741 B2 File No. 044176.010704	Issue Date 4-3-2018	US
ECA Medical Instruments	Sliding Locking Connector (actual)	US 9,895,796 B2 File No. 044176.010275	Issue Date 2-20-2018	US
ECA Medical Instruments	Moving Locking Connector (rotated)	US 9,895,794 B2 File No. 044176.010265	Issue Date 2-20-2018	US
ECA Medical Instruments	Robust Nose Torque Limiting Device	US 9,877,764 B2 File No. 044176.010504	Issue Date 1-30-2018	US
ECA Medical Instruments	Reversible Multiple Use Disposable Torque Limiting Device (Uni-directional ramp torque)	US 9,868,194 B2 File No. 044176.010919	Issue Date 1-16-2018	US
ECA Medical Instruments	Medical Tool and Waste Collection Device	US 9,949,780 B2 File No. 044176.001619	Issue Date 4-24-2018	US
ECA Medical Instruments	Ultra High Torque Device	2,800,263 CA	4-29-2011	Canada
ECA Medical Instruments	Ultra High Torque Device	P191009 BR	4/29/2011	Brazil

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
ECA Medical Instruments	Ultra High Torque Device	11778058.5 EP	4/29/2011	Europe
ECA Medical Instruments	Ultra High Torque Device	15/246,310 10,245,094	8/24/2016 4/2/2019	US
ECA Medical Instruments	Cannulated Ultra High Torque Device	P191010 BR	11/2/2012	Brazil
ECA Medical Instruments	Cannulated Ultra High Torque Device	11778061.9 EP	11-2-2012	Europe
ECA Medical Instruments	Cannulated Torque Device and Tip Engagement	11812966.7 EP	1/25/2013	Europe
ECA Medical Instruments	Controlled Torque Limiting Device Robust Nose Torque Limiting Device	2825095 CA	2/16/2012	Canada
ECA Medical Instruments	Controlled Torque Limiting Device Robust Nose Torque Limiting Device	12747647.1 EP	2-16-2012	Europe
ECA Medical Instruments	Robust Nose Torque Limiting Device	14/856,369 10,219,853	9/16/2015 3/5/2019	US
ECA Medical Instruments	Enhanced Torque Limiting Device	12747483.1 EP	2/14/2012	Europe
ECA Medical Instruments	EP PAT: End Aligned Flexible Connection Sleeves	14850580.3 EP	9/30/2014	Europe
ECA Medical Instruments	Flexible Finger Connection	PCT/US2017/017260	2/9/2017	US
ECA Medical Instruments	Flexible Connection Systems	15/089,242 10,099,354	3/29/2016 10/16/2018	US
ECA Medical Instruments	Base for Disposable Selectable Torque Limiting Device (14/267,877 Continuation)	US 2016/0311093 A1	7/6/2016	US
ECA Medical Instruments	Fortified Plastic Connector Mount for Disposable Devices (Nose/Tail Cone)	2,899,039 CA	7/22/2015	Canada
ECA Medical Instruments	Fortified Plastic Connector Mount for Disposable Devices (Nose/Tail Cone)	14743262.6 EP	7-22-2015	Europe
ECA Medical Instruments	Fortified Plastic Disposable Torque Devices (T-Handle or other Instrument)	2,899,036 CA	7/22/2015	Canada
ECA Medical Instruments	Fortified Plastic Disposable Torque Devices (T-Handle or other Instrument)	14743425.2 EP	7-22-2015	Europe
ECA Medical Instruments	In-line Disposable Torque	2,899,033 CA	7/22/2015	Canada

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
	Limiting Device Suitable for Power Drive			
ECA Medical Instruments	In-line Disposable Torque Limiting Device Suitable for Power Drive	14743591.1 EP	7-22-2015	Europe
ECA Medical Instruments	Disposable Ratcheting Torque Device	14778491.2 (EU)	3/7/2014	Europe
ECA Medical Instruments	Ratcheting Torque Wrench	15/239,685 10,195,724	8/17/2016 2/5/2019	US
ECA Medical Instruments	Sliding Locking Connector (actual)	15/867,468 10,220,477	1/10/2018 3/5/2019	US
ECA Medical Instruments	Moving Locking Connector (rotated)	15/867,435 10,081,083	1/10/2018 9/25/2018	US
ECA Medical Instruments	Fortified High Torque Device	155774360.0 EP	8/19/2016	Europe
ECA Medical Instruments	Fortified High Torque Device	2,937,772 CA	8/19/2019	Canada
ECA Medical Instruments	Fortified High Torque Device	15/241,464 10,160,105	8-19-2016 12/25/2018	US
ECA Medical Instruments	Modular Clutch Assembly	15772178.8 EP	8/22/2016	Europe
ECA Medical Instruments	Modular Clutch Assembly	2,937,770 CA	8/22/2016	Canada
ECA Medical Instruments	Modular Clutch Assembly	15/243,454 10,219,854	8-22-2016 3/5/2019	US
ECA Medical Instruments	Trocar Device with Detachable Handle and Associated Methods	15/443,695 10,098,647	2/27/2016 10/16/2018	US
ECA Medical Instruments	Orbital Trocar Device with Detachable Handle and Associated Methods	PCT/US17/62631	11/20/2017	US
ECA Medical Instruments	Orbital Trocar Hole Carving Device with Detachable Handle and Associated Methods	PCT/US17/62635	11/20/2017	US
ECA Medical Instruments	Cannulated Disposable Torque Limiting Device with Plastic Shaft	14/728,945 10,279,146	6/2/2015 5/7/2019	US
ECA Medical Instruments	Flexible Radiopaque Trial, Plate and Method of Use	15/588,375	5/5/2017	US
ECA Medical Instruments	Flexible Radiopaque Trial, Plate and Method of Use	PCT/US2017/058741	10/27/2017	US
ECA Medical Instruments	Flexible Adjustable Radiopaque Trial, Plate and Method of Use	15/960,443 10,716,687	5/18/2018 7/21/2020	US
ECA Medical Instruments	Disposable Bidirectional Ratchet	15/172,041	6/2/2016	US
ECA Medical Instruments	Disposable Bidirectional Ratchet	15871117.6 CA	12/17/2015	Canada
ECA Medical Instruments	Gearless In-Line Torque-Limited Device	16854124.1 EP	9/20/2016	Europe
ECA Medical Instruments	Gearless In-Line Torque-	15/946,246	5/3/2018	US

Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
	Limited Device	11,203,102	12/21/2021	
ECA Medical Instruments	Gearless Torque Drive	16854016.9 EP	5/7/2018	Europe
ECA Medical Instruments	Gearless Torque Drive	15/946,284 10,920,833	4/5/2018 2/16/2021	US
ECA Medical Instruments	Gearless Spring Torque Drive	16854017.7 EP	4/20/2018	Europe
ECA Medical Instruments	Gearless Spring Torque Drive	15/946,308 10,618,149	4/5/2018 4/14/2020	US
ECA Medical Instruments	Gearless Compact Torque Drive	16854018.5 EP	4/20/2018	Europe
ECA Medical Instruments	Gearless Compact Torque Drive	15/946,326 10,471,575	4/5/2018 11/12/2019	US
ECA Medical Instruments	Gearless Spring Washer High Torque Drive	15/583,803 10,688,634	5/1/2018 6/23/2020	US
ECA Medical Instruments	Gearless Spring Washer High Torque Drive	16854340.3 EP	5/4/2018	Europe
ECA Medical Instruments	Hypocycloid Device	PCT/US2017/014967	1/25/2017	US
ECA Medical Instruments	Hypocycloid Speed Buffer	PCT/US2017/014970	1/25/2017	US
ECA Medical Instruments	Hypocycloid Reduction Gearless Spring Washer Torque Limiting Device	15/691,595 10,343,269	8/30/2017 7/9/2019	US
ECA Medical Instruments	Disposable Rasp for Medical Instruments	US18/28956	4/23/2018	US
ECA Medical Instruments	Single Use Gear Reduction Device	17/053,998	11/9/2020	US
ECA Medical Instruments	Single Use Integrated Speed Reduction And Gearless Device	16/761,494	5/4/2020	US
ECA Medical Instruments	Flexible Adjustable Radiopaque Trial, Plate, And Method Of Use	17/079,383	10/23/2020	US
ECA Medical Instruments	Ergonomic Quick Release Plastic Disposable Base For Medical Instruments	16/968566	8/8/2020	US
ECA Medical Instruments	Adjustable Disposable Torque Limiting Mount And Device	16/968571	8/8/2020	US
ECA Medical Instruments	Ergonomic Multi-Part Quick Release Disposable Base For Medical Instruments	16/968569	8/8/2020	US
ECA Medical Instruments	Cannulated Ergonomic Disposable Plastic Base For Medical Instruments	16/968568	8/8/2020	US
ECA Medical Instruments	Disposable Integrated Speed Reduction And Gearless High Torque Device	16/761495	5/4/2020	US
ECA Medical Instruments	Connection System	16/788210	2/11/2020	US
ECA Medical Instruments	Hypocycloid Speed Buffer	16/337909	3/28/2019	US

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Grantor/Owner/Applicant	Name	Number	Date issued	Granting jurisdiction
ECA Medical Instruments	Gearless Spring Washer High Torque Device	16/536116 11,141,842	8/8/2019 10/12/2021	US
ECA Medical Instruments	Orbital Trocar Device With Detachable Handle And Associated Methods	16/419942	5/22/2019	US
ECA Medical Instruments	Orbital Trocar Hole Carving Device With Detachable Handle And Associated Methods	16/419976	5/22/2019	US
ECA Medical Instruments	Flexible Radiopaque Trial, Plate And Method Of Use	16/397766	4/29/2019	US
ECA Medical Instruments	Flexible Finger Connection	16/146431	9/28/2018	US
ECA Medical Instruments	Base For Disposable Selectable Torque Limiting Device	15/203694 10,730,171	7/6/2016 8/4/2020	US
ECA Medical Instruments	Cannulated Ultra High Torque Device	14/823,326 10,131,040	8/11/2015 11/20/2018	US