

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM497567

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

## CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
ALPHATEC HOLDINGS, INC		11/06/2018	Corporation: DELAWARE
ALPHATEC SPINE, INC.		11/06/2018	Corporation: CALIFORNIA

## RECEIVING PARTY DATA

<b>Name:</b>	SQUADRON MEDICAL FINANCE SOLUTIONS LLC
<b>Street Address:</b>	18 Hartford Avenue
<b>City:</b>	Granby
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06035
<b>Entity Type:</b>	Limited Liability Company: DELAWARE

## PROPERTY NUMBERS Total: 41

Property Type	Number	Word Mark
Serial Number:	87693450	A
Serial Number:	87580646	KODIAK
Registration Number:	4397223	3D PROFUSE
Registration Number:	3588669	
Registration Number:	3931478	AGING SPINE CENTER
Registration Number:	4671825	ALPHAGRAFT
Registration Number:	4116069	ALPHAGUARD
Registration Number:	3358674	ALPHATEC A SPINE INC.
Registration Number:	4302864	ALPHATEC NEXOSS
Registration Number:	4187920	ALPHATEC SOLUS
Registration Number:	4222888	ALPHATEC SOLUS ANTERIOR LUMBAR INTERBODY
Registration Number:	3940197	ALPHATEC SPINE
Registration Number:	3592709	ALPHATEC SPINE
Registration Number:	3836179	AMNIOSHIELD
Registration Number:	4172366	ANCHORMAX
Registration Number:	5286481	ARSENAL
Registration Number:	4088638	ASPIDA
Registration Number:	4222344	AVALON

OP \$1040.00 87693450

Property Type	Number	Word Mark
Registration Number:	4965198	BATTALION
Registration Number:	4210553	BRIDGEPOINT
Registration Number:	3309449	DEL MAR
Registration Number:	2606667	DELTALOC
Registration Number:	4102118	GLIF
Registration Number:	3971100	HELIFIX
Registration Number:	3509506	ILLICO
Registration Number:	5143024	NEOCORE
Registration Number:	4306821	NEXOSS
Registration Number:	4758743	NOVEL
Registration Number:	3992448	OSSEOFIX
Registration Number:	3981839	OSSEOSCREW
Registration Number:	4102102	OSSEOSCREW
Registration Number:	4437561	PEGASUS
Registration Number:	4165220	PUREGEN
Registration Number:	3391172	SOLANAS
Registration Number:	5371138	SQUADRON
Registration Number:	3471451	TRESTLE
Registration Number:	4126127	TRESTLE LUXE
Registration Number:	4080840	XENON
Registration Number:	3335652	ZODIAC
Registration Number:	1909230	ALPHATEC MHS
Serial Number:	87816924	OSSEOSCREW

**CORRESPONDENCE DATA**

Fax Number: 3122076400

*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: 312-207-1000

Email: ipdocket-chi@reedsmith.com

Correspondent Name: Ross Williams

Address Line 1: 10 South Wacker Drive

Address Line 2: Reed Smith, LLP

Address Line 4: Chicago, ILLINOIS 60606

NAME OF SUBMITTER: Ross Williams

SIGNATURE: /Ross Williams/

DATE SIGNED: 11/09/2018

Total Attachments: 39

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**TRADEMARK SECURITY AGREEMENT**

This TRADEMARK SECURITY AGREEMENT ("Trademark Security Agreement"), dated as of November 6, 2018, is made by and among **ALPHATEC HOLDINGS, INC.**, a Delaware corporation, **ALPHATEC SPINE, INC.**, a California corporation, and **SAFEOP SURGICAL, INC.**, a Delaware corporation (each individually a "Borrower" and collectively, the "Borrowers"), and each Additional Grantor that may become party hereto after the date hereof (each of the Grantors and each Additional Grantor being a "Grantor" and collectively the "Grantors") in favor of **SQUADRON MEDICAL FINANCE SOLUTIONS LLC**, a Delaware limited liability company (the "Lender").

WHEREAS, the Grantors and the Lender have entered into a Credit, Security and Guaranty Agreement, dated as of November 6, 2018 (as amended, modified or supplemented from time to time, the "Credit Agreement"), pursuant to which Lender has agreed, subject to the satisfaction of certain conditions precedent, to make loans and other financial accommodations available to the Grantors.

WHEREAS, as a condition precedent to the making of the loan by the Lender under the Credit Agreement, each of the Grantors have granted to the Lender, for the benefit of the Lender, a security interest in, among other property, certain intellectual property of the Grantors, and have agreed to execute and deliver this Trademark Security Agreement, for recording with governmental authorities, including, but not limited to, the United States Patent and Trademark Office.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Grant of Security. Each Grantor hereby pledges and grants to the Lender for the benefit of the Lender a security interest in and to all of the right, title, and interest of Grantor in, to, and under the following (the "Trademark Collateral"):

(a) all trademarks and trademark applications, including, the trademark registrations set forth on Schedule 1 hereto, together with the goodwill connected with the use of and symbolized thereby and all extensions and renewals thereof (the "Trademarks"), excluding only United States intent-to-use trademark applications to the extent that, and solely during the period in which, the grant, attachment, or enforcement of a security interest therein would, under applicable federal law, impair the registrability of such applications or the validity or enforceability of registrations issuing from such applications;

(b) all rights of any kind whatsoever of each Grantor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world;

(c) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(d) any and all claims and causes of action, with respect to any of the foregoing, whether occurring before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, dilution, misappropriation, violation, misuse, breach, or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation. Each Grantor authorizes the Commissioner for Trademarks and any other government officials to record and register this Trademark Security Agreement upon request by the Lender.

3. Loan Documents. This Trademark Security Agreement has been entered into pursuant to and in conjunction with the Credit Agreement, which is hereby incorporated by reference. The provisions of the Credit Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of the Lender with respect to the Trademark Collateral are as provided by the Loan Agreement, the Credit Agreement, and related documents, and nothing in this Trademark Credit Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This Trademark Security Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this Trademark Security Agreement by facsimile or in electronic (i.e., "pdf" or "tif" format) shall be effective as delivery of a manually executed counterpart of this Trademark Security Agreement.


5. Successors and Assigns. This Trademark Security Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This Trademark Security Agreement and any claim, controversy, dispute, or cause of action (whether in contract or tort or otherwise) based upon, arising out of, or relating to this Trademark Security Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of New York, without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction).

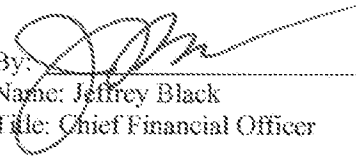
[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, each Grantor has caused this Trademark Security Agreement to be duly executed as of the date first above written.

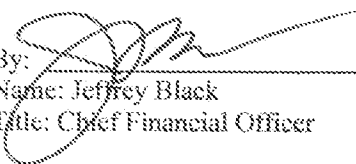
**ALPHATEC HOLDINGS, INC.**

By:   
Name: Jeffrey Black  
Title: Chief Financial Officer

**ALPHATEC SPINE, INC.**

By:   
Name: Jeffrey Black  
Title: Chief Financial Officer

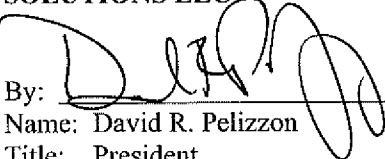
**SAFEOP SURGICAL, INC.**

By:   
Name: Jeffrey Black  
Title: Chief Financial Officer

*[Signature Page for Trademark Security Agreement]*

AGREED TO AND ACCEPTED:

**SQUADRON MEDICAL FINANCE  
SOLUTIONS LLC**

By:   
Name: David R. Pelizzon  
Title: President

*[Signature Page for Trademark Security Agreement]*

**TRADEMARK  
REEL: 006479 FRAME: 0194**

**SCHEDULE 1**  
**TRADEMARKS**

US\_ACTIVE-143100394

**TRADEMARK**  
**REEL: 006479 FRAME: 0195**



**Patents - US**

<u>Reference</u>	<u>Family Title</u>	<u>Patent Number</u>
0106PCT/US/CJP	Interbody Spinal Stabilization Cage and Spinal Stabilization Method	6770096
SX0026/US	Disk prosthesis for cervical vertebrae with controlled clearance	7060099
SX0013/US	IMPLANT FOR OSTEOSYNTHESIS DEVICE IN PARTICULAR OF THE BACKBONE	7081116
SX0002/US	POSTERIOR VERTEBRAL JOINT PROSTHESIS	7147664
SX0018/US	PCLASSTABILIZED INTERBODY FUSION SYSTEM FOR VERTEBRAE	7172627
26786-505.c/US	TOP TIGHTENING BONE FIXATION APPARATUS	7306604
SX0021/US	Dynamic intervertebral connection device with controlled multidirectional deflection	7335200
26786-519/US	VARIABLE ANGLE SPINAL SCREW ASSEMBLY	7377923
SX0022/GB	ECROU ROTULE	7422597
26786-531/US	SECURING DEVICE AND CORRESPONDING METHODS THEREOF FOR BONE FIXATION SYSTEMS	7481813
26786-504/US	ARTIFICIAL INTERVERTEBRAL DISC ASSEMBLY	7485145
26786-520-NATL	VERTEBRAL BODY REPLACEMENT CAGE ASSEMBLY	7591852
0103US	APPARATUS FOR ANTERIOR INTERVERTEBRAL SPINAL FIXATION AND FUSION	7594932
26786-515DIV	SERRATOME VERTEBRAL CORTICAL ENDPLATE CUTTER	7632278
SX0020/US	Connection system between a spinal rod and a transverse bar	7666210
26786-509/US	TRACTOR AND METHODS OF USE	7780594
26786-507/US	TRANSVERSE ROD CONNECTOR	7806912
SX0024/US	Vertebral replacement and distraction device for placing said implant	7819920
SX0031/US	Intervertebral implant with two shapes	7862615
SX0019/US	Bone anchoring device with spherical articulation	7892266
26786-551US	PROCESSES AND SYSTEMS FOR HYDRATING AND SEEDING MEDICAL IMPLANTS WITH BIOLOGICAL...	8070740
0103US/DIV	APPARATUS AND METHOD FOR ANTERIOR INTERVERTEBRAL SPINAL FIXATION AND FUSION	8070819
26786-543/US	MULTI-AXIAL TRANSVERSE ROD CONNECTOR	8075594
ALSPN.009CP1/US	PROCESSES AND SYSTEMS FOR LOADING MEDICAL IMPLANTS WITH SIMULATIVE GROWTH AGENTS	8080060
26786-552US	OCCIPITAL FIXATION SCREW	8092498
26786-507/US	TRANSVERSE ROD CONNECTOR	8137387
26786-568/US	CURVILINEAR SPINAL ACCESS METHOD AND DEVICE	8152714
0101US	CONICAL INTERSPINOUS APPARATUS AND A METHOD OF PERFORMING INTERSPINOUS DISTRACTI...	8172878

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**REEL: 006479 FRAME: 0196**

SX0016.02/US	DISK PROSTHESIS FOR CERVICAL VERTEBRAE	8192438
0101US/CIP	CONICAL INTERSPINOUS APPARATUS AND A METHOD OF PERFORMING INTERSPINOUS DISTRACTI...	8192466
26786-574/US	SPINOUS PROCESS DEVICE AND METHOD OF USE	8206420
26786-515CON/US	SERRATOME VERTEBRAL CORTICAL ENDPLATE CUTTER	8262660
0145US	APPARATUS AND METHOD FOR CONNECTING SURGICAL RODS	8273112
26786-519.1/US	VARIABLE ANGLE SPINAL SCREW ASSEMBLY	8298265
0105US	STAND ALONE INTERBODY FIXATION SYSTEM	8328870
ALSPN.035US/US	BONE SCREW ASSEMBLY FOR LIMITED ANGLULATION	8382805
26786-565002/US	SYSTEMS AND METHODS FOR SPINAL FIXATION	8394109
26786-573/US	CURVILINEAR SPINAL ACCESS METHOD AND DEVICE	8425602
0101US/DIV	CONICAL INTERSPINOUS APPARATUS AND A METHOD OF PERFORMING INTERSPINOUS DISTRACTI...	8425610
0108US	INSTRUMENT FOR INSERTION AND DEPLOYMENT OF FEATURES ON AN IMPLANT	8454623
26786-565001/US	SYSTEMS AND METHODS FOR SPINAL FIXATION	8469960
0150PCT/EP	Instrument and Method for Reducing and Securing Spinal Rods	8480711
0167US	INTERBODY FUSION IMPLANT AND RELATED METHODS	8491658
0101US/DIV	CONICAL INTERSPINOUS APPARATUS AND A METHOD OF PERFORMING INTERSPINOUS DISTRACTI...	8518083
26786-572/US	BONE PLATE ASSEMBLY	8562655
26786-574US/DIV	SPINOUS PROCESS DEVICE AND METHOD OF USE	8636773
26786-536P/DIV	SYSTEMS AND METHODS FOR MANIPULATING AND/OR INSTALLING A PEDICLE SCREW	8636775
26786-570US	Method and Device for Implant Deployment	8657832
8005US	Inter-Body Implantation System and Method	8657858
0114US	CLAMPING INTERSPINOUS SPACER APPARATUS AND METHODS OF USE	8702756
ALSPN.035US/CON	BONE SCREW ASSEMBLY FOR LIMITED ANGLULATION	8702761
0101US/CIP/CON	CONICAL INTERSPINOUS APPARATUS AND A METHOD OF PERFORMING INTERSPINOUS DISTRACTI...	8747440
26786-565002/US/CIP1	Instrument and Method for Spinal Compression and Distraction	8821502
10007US	Inter-Body Implant	8828082
26786-536/US	SYSTEMS AND METHODS FOR MANIPULATING AND/OR INSTALLING A PEDICLE SCREW	8834527
0127US	POLYAXIAL BONE SCREW WITH LATERAL CONNECTOR	8834540
26786-540US	RETRACTOR	8882661

26786-508/US	ADJUSTABLE OCCIPITAL PLATE	8900276
0148US	INSTRUMENT AND METHOD FOR SPINAL COMPRESSION AND DISTRACTION	8906034
0152US	Interspinous Process Device and Method	8906064
0146US	SYSTEMS FOR VERTEBRAL ADJUSTMENTS AND ROD REDUCTION	8911442
0149US	Surgical Screwdriver	8932303
ALSPN.011US/US	EXPANDABLE SPINAL SUPPORT DEVICE WITH ATTACHABLE MEMBERS AND METHODS OF USE	8936627
0122US	DISTAL LOADING RECEIVER FOR A POLYAXIAL BONE SCREW AND METHOD FOR IMPLANTATION T...	8974501
0105US/CIP	STAND-ALONE INTERBODY FIXATION SYSTEM	8979933
0123US	SCREW HEAD LOCKER APPARATUS AND METHODS OF USE	8986319
0103US/DIV/CON	APPARATUS FOR ANTERIOR INTERVERTEBRAL SPINAL FIXATION AND FUSION	9039770
8005US	Inter-Body Implantation System and Method	9044333
0135US	SCREW ASSEMBLY WITH DEFORMABLE BUSHING	9060812
26786-565001/US/DIV2	INSTRUMENT FOR COMPRESSION AND DISTRACTION	9060825
26786-538US	PLATING SYSTEMS FOR BONE FIXATION	9078718
0145US	APPARATUS AND METHOD FOR CONNECTING SURGICAL RODS	9107703
0138US2	STAND ALONE INTERBODY FIXATION SYSTEM	9107760
0143US	Instrument for Removal of Material from within a Body	9204896
0167USDIV	INTERBODY FUSION IMPLANT AND RELATED METHODS	9233008
0129US	BONE FIXATION SYSTEMS AND METHODS	9271770
0134US	EXPANDABLE INTERBODY SPACER	9308028
26786-565001/US/DIV3	INSTRUMENT FOR COMPRESSION AND DISTRACTION	9320550
0126US	SPINAL INSTRUMENTS WITH SET SCREW LOADING AND RETENTION APPARATUS AND METHODS OF...	9402662
0170US	Interbody Fusion Implant And Related Methods	9402736
0156US	INSTRUMENT AND METHOD FOR RESTORING MOTION TO A POLYAXIAL SCREW	9408643
0103USDIV2	APPARATUS FOR ANTERIOR INTERVERTEBRAL SPINAL FIXATION AND FUSION	9463096
0163US	Spinal Deformity Correction Instruments and Methods	9468474
0150US	Instrument and Method for Reducing and Securing Spinal Rods	9526537
26786-538US/CON1	PLATING SYSTEMS FOR BONE FIXATION	9532819

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26786-565001/US/CON1	SYSTEMS AND METHODS FOR SPINAL FIXATION	9539036
26786-565002/US/DIV2	ROD INSERTER AND METHODS OF USE	9545271
0153US	Spondylolisthesis Reduction System	9561062
0177US	Instrument for Implanting Implant Device	9572685
26786-565001/US/DIV1	METHODS FOR SPINAL FIXATION	9585702
0158US	Interbody Spacer and Plate Inserter and Methods of Use	9603611
0184US	SPACER WITH TEMPORARY FIXATION PLATE	9603718
0146USCON1	SYSTEMS FOR VERTEBRAL ADJUSTMENTS AND ROD REDUCTION	9622796
0135USDIV1	SCREW ASSEMBLY WITH DEFORMABLE BUSHING	9636147
0179US	SINGLE ACTION LOCKING PEDICLE SCREWDRIVER	9642654
0174US	Spinal Implants and Insertion Instruments	9642723
0166US	Uniplanar Screw Assembly and Methods of Use	9649134
0155US	Expandable Screw and Methods of Use	9681905
0175US	Soft Tissue Retractor	9693762
0159US	INSTRUMENT AND METHOD FOR IN SITU ROD ADJUSTMENT	9707018
0168US	Blade Attachment and Adjustment Mechanism for Tissue Retraction	9730683
SX0016.02/US	DISK PROSTHESIS FOR CERVICAL VERTEBRAE	RE40260
0134USCON1	EXPANDABLE INTERBODY SPACER	9788970
0184USDIV	SPACER WITH TEMPORARY FIXATION PLATE	9763805
26786-508USCON	ADJUSTABLE OCCIPITAL PLATE	9757162
574USDIV2	SPINOUS PROCESS DEVICE AND METHOD OF USE	9737344
0161US	SYSTEMS AND METHODS FOR SPINAL COMPRESSION, DISTRACTION, AND FIXATION	9795418
0157US	INSTRUMENT AND METHOD FOR PROVISIONALLY LOCKING A POLYAXIAL SCREW	9844400
0129USCIP	BONE FIXATION METHODS	9877756
0132US/CON1	SYSTEMS AND METHODS FOR CORRECTING SPINAL DEFORMITY	9888945
0173US	SPONDYLSTHESIS REDUCTION SYSTEM	9907583
26786-536US/CON1	SYSTEMS AND METHODS FOR MANIPULATING AND/OR INSTALLING PEDICAL SCREW	9913664

**Applications - US**

<b>Reference</b>	<b>Title</b>	<b>Appl No.</b>
0105US/CON1	STAND-ALONE INTERBODY FIXATION SYSTEM	13/666099
26786-565002DIV1CIP1	PERCUTANEOUS ROD INSERTER	13/786798
0138PCT/CON	STAND ALONE INTERBODY FIXATION SYSTEM	14/060424
26786-574USDIV2	SPINOUS PROCESS DEVICE AND METHOD OF USE	14/134478
0114USDIV1	INTERSPINOUS PROCESS SPACER APPARATUS AND METHODS OF USE	14/184967
0105US/CON1	Retractor	14/471878
0173US	Spondylsthesis Reduction System	14/539567
0136USCON1	FASTENER RETENTION SYSTEM FOR SPINAL PLATES	14/549965
0178US	PUNCH INSTRUMENT	14/673918
0145USCON1	APPARATUS AND METHOD FOR CONNECTING SURGICAL RODS	14/798749
0153USCON1	SPONDYLOLISTHESIS REDUCTION SYSTEM	14/860521
0180US	Osteotomy Instrument	14/877587
0182US	Polyaxial Bone Screw Bushing	14/883408
0167USCON1	Interbody Fusion Implant and Related Methods	14/962848
0183US	Implant Insertion Instrument	15/017130
0186US	Transverse link having spherical ball joint	15/065364
0187US	Radio transparent retractor system and method of using radio transparent retractor system	15/168859
0189US	Retractor and retractor blade	15/204558
156USCIP	Instrument and method for restoring motion to a polyaxial screw	15/205062
0185US	Implants and guides for inserting an implant	15/273847
0150USDIV	Instrument and method for reducing and securing spinal rods	15/276059
ACS-20702/53 0103US/DIV3	Apparatus and method for anterior intervertebral spinal fixation and fusion	15/289591
0193US	Hook inserter	15/291188
0194US	Systems and methods for securely assembling a spinal implant	15/296989
0192US	Pedicle screw with raised root	15/297860
2016-010US ACS-17102/53	INSTRUMENT CONFIGURED TO GENERATE AN IMPACT AND RETRACTING LOAD ON AN INSERTER	15/360054
26786-565001USDIV1	SYSTEMS AND METHODS FOR SPINAL FIXATION	15/366224
53ACCS18103VA	ROD INSERTER AND METHODS OF USE	15/378,626

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53ACCS127041A	BONE FIXATION SYSTEMS AND METHODS	15/459,06 8
53ACCS15903VA	SYSTEMS FOR VERTEBRAL ADJUSTMENTS AND ROD REDUCTION	15/462,52 8
53ACCS149031A	EXPANDABLE SCREW AND METHODS OF USE	15/595,48 2
53ACCS14303VA	SYSTEMS AND METHODS FOR SPINAL COMPRESSION, DISTRACTION, AND FIXATION	15/619,11 1
53ACCS11403VA	SOFT TISSUE RETRACTOR	15/619,89 6
53ACCS17703VA	INSTRUMENT AND METHOD FOR IN SITU ROD ADJUSTMENT	15/626452
ACS-16718/53	Surgical Dilator System with Internal Catch	62/422667
ACS-16818/53	Surgical Dilator with Flattened Head	62/422634
ACS-12580/53	Adjustable Hook	62/422618
53ACCS20818MA	Insertor with Releasable Grippers	62/471098
53ACCS21318MA	Intervertebral Cage with Porosity Gradient	62/471128
53ACCS21202PA	Osteotomy Instrument	15/453982
53ACCS127041A	BONE FIXATION SYSTEMS AND METHODS	15/459068
53ACCS15903VA	SYSTEMS FOR VERTEBRAL ADJUSTMENTS AND ROD REDUCTION	15/462528
53ACCS17402PA	INSERTER WITH IMPACT AND ROTATIONAL DRIVE ADVANCEMENT AND IMPLANT HOLDER WITH IMPLANT AUTO RELEASE	15/478878
53ACCS23202PA	SURGICAL SCREW	15/706555
53ACCS24218MA	Pedicle Screw Assembly with Mouth	62/574299
53ACCS24018MA	Set Screw Assembly	62/574392
53ACCS23518MA	PEDICLE SCREW WITH RATCHETING SET SCREW RETENTION	62/574905
53ACCS23618MA	EXPANDABLE SURGICAL SCREW	62/574946
53ACCS237021A	INSTRUMENT ASSEMBLY FOR USE WITH AN EXPANDABLE PEDICLE SCREW	15/789461
53ACCS23818MA	Pedicle Screw Assembly	62/574970
53ACCS24118MA	Pedicle Screw Assembly with Self-Locking Washer	62/579951
53ACCS23918MA	Set Screw and Screw Body Assembly with Interfacing Ribbed Threads	62/579933
53ACCS24518MA	Interbody Cage with Variable Porosity	62/611474
53ACCS24818MA	Tower Assembly with Dynamic Mating Feature	62/611407
53ACCS24918MA	Plate with Bend Zone	62/611426
53ACCS25018MA	Surgical Screw with Expandable Zone	62/611439

53ACCS24318MA	Surgical rod with variable porosity	62/614185
53ACCS24618MA	Interbody Cage with Weakening Region	62/628083
53ACCS24718MA	Interbody with Variable Porosity Forming a Unique Mark	62/627931
53ACCS24418MA	Plate Assembly with Variable Porosity	62/628120
53ACCS21302PA	INTERVERTERBRAL CAGE WITH POROSITY GRADIENT	To Be Filed

**Foreign**

<u>Reference</u>	<u>Title</u>	<u>Status</u>	<u>Country</u>	<u>Grant Number</u>
0114JP	CLAMPING INTERSPINOUS SPACER APPARATUS AND METHODS OF USE	Grant.	JP	5859009
0127PCT/JP	POLYAXIAL BONE SCREW WITH LATERAL CONNECTOR	Grant.	JP	5671146
0134PCT/JP	EXPANDABLE INTERBODY SPACER	Grant.	JP	5916838
0138PCT/JP	STAND ALONE INTERBODY FIXATION SYSTEM	Grant.	JP	5994191
26786-504EP	ARTIFICIAL INTERVERTEBRAL DISC ASSEMBLY	Grant.	JP	4156835
26786-504JP	ARTIFICIAL INTERVERTEBRAL DISC ASSEMBLY	Grant.	JP	4783383
26786-508JP	ADJUSTABLE OCCIPITAL PLATE	Grant.	JP	4861422
26786-536JP	SYSTEMS AND METHODS FOR MANIPULATING AND/OR INSTALLING A PEDICLE SCREW	Grant.	JP	5210305
26786-538PCT/GB	PLATING SYSTEMS FOR BONE FIXATION	Grant.	JP	4189151
26786-538PCT/JP/DIV	PLATING SYSTEMS FOR BONE FIXATION	Grant.	JP	5976599
26786-565001/WO/JP	SYSTEMS AND METHODS FOR SPINAL FIXATION	Grant.	JP	4027991
26786-565001/WO/JP	SYSTEMS AND METHODS FOR SPINAL FIXATION	Grant.	JP	4027991
26786-565001/WO/JP	SYSTEMS AND METHODS FOR SPINAL FIXATION	Grant.	JP	5455129
26786-5668N01JP	CURVILINEAR SPINAL ACCESS METHOD AND DEVICE	Grant.	JP	5271281
26786-570PCT/JP/DIV	METHOD AND DEVICE FOR DEPLOYING AN EXPANDABLE IMPLANT INTO A VERTEBRAL BODY	Grant.	JP	5965432
26786-573/JP	CURVILINEAR SPINAL ACCESS METHOD AND DEVICE	Grant.	JP	5543967
26786-581N01JP	PROCESSES AND SYSTEMS FOR LOADING MEDICAL IMPLANTS WITH SIMULATIVE GROWTH AGENTS	Grant.	JP	5356528
26786-581PCT/JP/DIV	PROCESSES AND SYSTEMS FOR LOADING MEDICAL IMPLANTS WITH SIMULATIVE GROWTH AGENTS	Grant.	JP	5955818
8005PCT/JP	Inter-Body Implantation System and Method	Grant.	JP	5600293
9006PCT/JP	Improved Spinal Implantation System and Method	Grant.	JP	5643305
ALSPN.011PCT/JP	EXPANDABLE SPINAL SUPPORT DEVICE WITH ATTACHABLE MEMBERS AND METHODS OF USE	Grant.	JP	5705210
SG 10172/GB	ANTI-SLIP DEVICE FOR AN ORTHOPEDIC IMPLANT	Grant.	JP	5328817

**TRADEMARK**

**REEL: 006479 FRAME: 0203**



SG 10300/JP	DEVICE FOR LOCKING A LINK ROD IN A BONE ANCHORING ELEMENT OF A SPINAL IMPLANT	Grant.	JP	4493599
SG 10316/JP	INTERSOMATIC CAGE FOR LUMBAR FUSION BY TRANSFORAMINAL ACCESS AND CAGE-HOLDER DEV...	Grant.	JP	4443570
SX0002JP	POSTERIOR VERTEBRAL JOINT PROSTHESIS	Grant.	JP	4296091
SX0027/JP	DEVICE FOR PREVENTING THE REMOVAL OF AN ANCHORING SCREW FOR AN OSTEOSYNTHETIC ELEMENT	Grant.	JP	4532483
0129EP/GB	DEVICE FOR DEPLOYING AN EXPANDABLE IMPLANT INTO A VERTEBRAL BODY	Grant.	GB	2328498
0148US	INSTRUMENT AND METHOD FOR SPINAL COMPRESSION AND DISTRACTION	Grant.	GB	2451404
0153US	Spondylolisthesis Reduction System	Grant.	GB	2451403
26786-504/UK	ARTIFICIAL INTERVERTEBRAL DISC ASSEMBLY	Grant.	GB	2032054
26786- 538PCT/GB	PLATING SYSTEMS FOR BONE FIXATION	Grant.	GB	2043536
26786- 540PCT/EP/GB	RETRACTOR	Grant.	GB	1194087
26786- 540PCT/EP/GB	RETRACTOR	Grant.	GB	2081501
26786- 565002/WO/EP- GB	Percutaneous rod inserter	Grant.	GB	2367491
26786-568N01EP	CURVILINEAR SPINAL ACCESS METHOD AND DEVICE	Grant.	GB	2114257
26786-572N01EP	A BONE PLATE ASSEMBLY	Grant.	GB	2341855
26786-573N01GB	Curvilinear spinal access method and device	Grant.	GB	2315550
26786- 574N01/GB	Spinous process device	Grant.	GB	2430995
26786-581D01GB	PROCESSES AND SYSTEMS FOR LOADING MEDICAL IMPLANTS WITH SIMULATIVE GROWTH AGENTS	Grant.	GB	2659862
26786-581N01 GB	PROCESSES AND SYSTEMS FOR LOADING MEDICAL IMPLANTS WITH SIMULATIVE GROWTH AGENTS	Grant.	GB	2365791
STTM-N- Z100.00.EP/JP	ATTACHMENT DEVICE AND METHODS OF USE, PREPARATION AND TESTING	Grant.	GB	2228015
SX0018/GB	STABILISED INTERBODY FUSION SYSTEM FOR VERTEBRAE	Grant.	GB	1372541
SX0019/GB	Bone anchoring device with spherical articulation	Grant.	GB	1524945
SX0020/GB	Connection system between a spinal rod and a transverse bar	Grant.	GB	1480569

SX0024/GB	Vertebral replacement device	Grant.	GB	1589906
SX0027/GB	Device for preventing the removal of an anchoring screw for an osteosynthetic element	Grant.	GB	1633261
SX0030/GB	INTERVERTEBRAL DISCAL PROSTHESIS	Grant.	GB	1706076
0133PCT/JP	MATERIAL DELIVERY APPARATUS FOR A BONE SCREW	Pend.	JAPAN	2013-552612
0148PCT-JP	INSTRUMENT AND METHOD FOR SPINAL COMPRESSION AND DISTRACTION	Pend.	JAPAN	2015-501720
26786-508/US	ADJUSTABLE OCCIPITAL PLATE	Pend.	JAPAN	2009-518312
26786-509.001JP	RETRACTOR AND METHODS OF USE	Pend.	JAPAN	2008-534759
26786-536JP/JP	SYSTEMS AND METHODS FOR MANIPULATING AND/OR INSTALLING A PEDICLE SCREW	Pend.	JAPAN	2013-032119
26786-540JP	RETRACTOR	Pend.	JAPAN	2009-529268
26786-565001/WO/EP	SYSTEMS AND METHODS FOR SPINAL FIXATION	Pend.	JAPAN	2001-566471
8005PCT/JP/DIV	Inter-Body Implantation System and Method	Pend.	JAPAN	2014-121274
SG 10232/JP	CONNECTOR FOR VERTEBRAL ANCHORING SYSTEM	Pend.	JAPAN	2003-546768
0103PCT/EP	APPARATUS FOR ANTERIOR INTERVERTEBRAL SPINAL FIXATION AND FUSION	Pend.	EUROPE	06845994-0
0114PCT/EP	CLAMPING INTERSPINOUS SPACER APPARATUS AND METHODS OF USE	Grant.	EUROPE	2618756
0127PCT/EP	POLYAXIAL BONE SCREW WITH LATERAL CONNECTOR	Pend.	EUROPE	11835155-0
0131PCT/EU	SEMI-RIGID SCREW ASSEMBLY	Pend.	EUROPE	12741982-8
0134PCT/EP	EXPANDABLE INTERBODY SPACER	Pend.	EUROPE	12760208-4
0137PCT/EP	SYSTEMS AND METHODS FOR LINKING IMPLANTS AND REDUCING DEFORMITIES	Pend.	EUROPE	12839971-4
0148PCT/EP	INSTRUMENT AND METHOD FOR SPINAL COMPRESSION AND DISTRACTION	Pend.	EUROPE	13778840-2
0150PCT/EP	Instrument and Method for Reducing and Securing Spinal Rods	Pend.	EUROPE	13826440-3
0152PCT/EP	Interspinoous Process Device and Method	Pend.	EUROPE	13781013-1
0155PCT/EP	Expanding Screw Apparatus and Methods of Use	Pend.	EUROPE	13844127-4
0163PCT/EP	SPINAL DEFORMITY CORRECTION INSTRUMENTS AND METHODS	Pend.	EUROPE	14756587-3
0166EP	Uniplanar Screw Assembly and Methods of Use	Pend.	EUROPE	14782756-2
0184	SPACER WITH TEMPORARY FIXATION PLATE	Pend.	EUROPE	16156169-1
26786-519/EP	VARIABLE ANGLE SPINAL SCREW ASSEMBLY	Pend.	EUROPE	04734306-6

26786-565002/EP/DIV1	SYSTEMS FOR SPINAL FIXATION	Pend.	EUROPE	14155736-3
26786-565002/EP/DIV2	SYSTEMS FOR SPINAL FIXATION	Pend.	EUROPE	14155836-1
26786-565002/EP/DIV3	SYSTEMS FOR SPINAL FIXATION	Pend.	EUROPE	14156115-9
ALSPN.011PCT/EP	EXPANDABLE SPINAL SUPPORT DEVICE WITH ATTACHABLE MEMBERS AND METHODS OF USE	Pend.	EUROPE	10762319-1
53ACSI17452WO	INSERTER WITH IMPACT AND ROTATIONAL DRIVE ADVANCEMENT AND IMPLANT HOLDER WITH IMPLANT AUTO RELEASE	Pend.	WO	PCT/US2017/026045
ACS-12352/53	IMPLANTS AND GUIDES FOR INSERTING AN IMPLANT	Pend.		PCT/US2016/053237
53ACSI12336GB	IMPLANTS AND GUIDES FOR INSERTING AN IMPLANT	Pend.	GB	1800426.7
53ACSI12343JP	IMPLANTS AND GUIDES FOR INSERTING AN IMPLANT	Pend.	JAPAN	Not Yet Filed
53ACSI12436GB	SYSTEMS AND METHODS FOR SECURELY ASSEMBLING A SPINAL IMPLANT	Pend.	GB	Not Yet Filed
53ACSI12443JP	SYSTEMS AND METHODS FOR SECURELY ASSEMBLING A SPINAL IMPLANT	Pend.	JAPAN	Not Yet Filed
53ACSI14936GB	EXPANDABLE SCREW AND METHODS OF USE	Pend.	GB	Not Yet Filed
53ACSI14943JP	EXPANDABLE SCREW AND METHODS OF USE	Pend.	JAPAN	Not Yet Filed
53ACSI21236GB	OSTEOTOMY INSTRUMENT	Pend.	GB	Not Yet Filed
53ACSI21243JP	OSTEOTOMY INSTRUMENT	Pend.	JAPAN	Not Yet Filed
53ACSI21336GB	INTERVERTEBRAL CAGE WITH POROSITY GRADIENT	Pend.	GB	Not Yet Filed
53ACSI21343JP	INTERVERTEBRAL CAGE WITH POROSITY GRADIENT	Pend.	JAPAN	Not Yet Filed

**Alphatec Spine, Inc. also owns the following intellectual property listed below.**

<b>Invention Title</b>	<b>Country</b>	<b>Serial No.</b>	<b>Patent No.</b>
TOP TIGHTENING BONE FIXATION APPARATUS	US	08695318	6030388
TOME APPARATUS FOR IMPLANTING SPINAL FUSION DEVICE	US	09408762	6241733
ORTHOPEDIC IMPLANTS WITH FLEXIBLE SCREWS	US	13355875	8979930
ORTHOPEDIC IMPLANTS WITH FLEXIBLE SCREWS	US	14659214	9597199
VARIABLE ANGLE SPINAL SCREW ASSEMBLY	US	14163797	-
OSTEOTOMY INSTRUMENT	US	15453982	-
INSERTER WITH IMPACT AND ROTATIONAL DRIVE ADVANCEMENT AND IMPLANT HOLDER WITH IMPLANT AUTO RELEASE	US	15478878	-
SPONDYLSTHESIS REDUCTION SYSTEM	US	15875612	-
INTERVERTEBRAL CAGE WITH POROSITY GRADIENT	US	15920898	-

Active Trademark Listing for Alphatec Spine, Inc.

Trademark	Country	Status	App. #	Reg. #	Filing Date	Reg. Date
ALPHATEC SPINE	Australia	Registered	1509904	1124469	15-Jun-12	15-Jun-12
BONE'XTRUDABLE*	Australia	Registered	1521490	1521490	23-Oct-12	23-Oct-12
DISCOCERV*	Australia	Registered		845479		25-Feb-05
NEOCORE*	Australia	Registered		1741543	16-Dec-15	5-Aug-16
SAMARYS*	Australia	Registered		836127		4-Aug-04
DISCOCERV*	Austria	Registered		845479		25-Feb-05
SAMARYS*	Austria	Registered		836127		4-Aug-04
DISCOCERV*	Benelux	Registered		845479		25-Feb-05
SAMARYS*	Benelux	Registered		836127		4-Aug-04
SCIENT'X*	Benelux	Registered		763736		4-Jul-01
X & Design*	Benelux	Registered		763710		4-Jul-01

NEOCORE*	Canada	Pending	1756549		25-Nov-15	
A ALPHATEC SPINE & Design*	China	Registered		7121958	19-Dec-08	14-Sep-10
AGING SPINE CENTER & Design*	China	Registered		7213796	23-Feb-09	14-Sep-10
AGING SPINE CENTER & Design*	China	Registered		7213794	23-Feb-09	21-Nov-10
AGING SPINE CENTER*	China	Pending	7213792		23-Feb-09	
AGING SPINE CENTER*	China	Registered		7213795	23-Feb-09	21-Nov-10
ALPHAGRAFT PROFUSE*	China	Registered		7240805	9-Mar-09	28-Sep-10
ALPHATEC NEOCORE*	China	Registered		18312683	12-Nov-15	21-Dec-16
ALPHATEC SPINE A ALPHATEC SPINE A*	China	Pending	7121960		19-Dec-08	
ALPHATEC SPINE*	China	Registered	1124469	1124469	15-Jun-12	15-Jun-12
ALPHATEC SPINE*	China	Registered		7121959	19-Dec-08	14-Dec-10
ARSENAL*	China	Registered		18312682	12-Nov-15	21-Dec-16

DISCOCERV*	China	Registered			845479		25-Feb-05
ILLICO*	China	Registered			7149438	5-Jan-09	14-Mar-11
NOVEL*	China	Registered			7149434	5-Jan-09	21-Nov-11
OSSEOFIX*	China	Pending	7149436			5-Jan-09	
SAMARYS*	China	Registered			836127		4-Aug-04
SOLANAS*	China	Registered			7149439	5-Jan-09	21-Jul-10
TRESTLE LUXE*	China	Pending	18312679			12-Nov-15	
TRESTLE*	China	Registered			7149437	5-Jan-09	21-Jul-10
ZODIAC*	China	Registered			7149435	5-Jan-09	7-Nov-11
A ALPHATEC SPINE & Design*	Colombia	Registered	09/083050		395982	10-Aug-09	17-Feb-10
ALPHATEC SPINE & Design*	Colombia	Registered	09/083048		395980	10-Aug-09	17-Feb-10
NOVEL*	Colombia	Pending	09/083062			10-Aug-09	

OSSEOFIX & Design*	Colombia	Registered	09/083065	404494	10-Aug-09	13-Jul-10
SOLANAS*	Colombia	Registered		395984	10-Aug-09	23-Feb-10
TRESTLE*	Colombia	Registered	09/083061	395985	10-Aug-09	23-Feb-10
ZODIAC*	Colombia	Registered	09/083053	418722	10-Aug-09	24-Feb-11
ALPHATEC SPINE*	Egypt	Registered	1124469	1124469	15-Jun-12	15-Jun-12
A ALPHATEC SPINE & Design*	European Union	Registered	7333628	7333628	22-Oct-08	29-Jul-09
ALPHAGRAFT PROFUSE*	European Union	Registered	8122277	8122277	25-Feb-09	11-Nov-09
ALPHATEC SPINE	European Union	Registered	1124469	1124469	15-Jun-12	15-Jun-12
ALPHATEC VELOSSITY*	European Union	Registered	11285863	11285863	23-Oct-12	21-Mar-13
BONE'XTRUDABLE*	European Union	Registered	11285871	11285871	23-Oct-12	21-Mar-13
HELIFIX*	European Union	Registered	8624967	8624967	19-Oct-09	21-Jun-10
HELIFUSE*	European Union	Registered	8624959	8624959	19-Oct-09	26-Apr-10



ILLICO*	European Union	Registered	6470314	6470314	28-Nov-07	30-Oct-08
NEOCORE*	European Union	Registered	14825517	14825517	25-Nov-15	24-Mar-16
NOVEL ACC*	European Union	Registered	6735195	6735195	7-Mar-08	18-Oct-10
NOVEL LCC*	European Union	Registered	6735252	6735252	7-Mar-08	14-Oct-10
NOVEL SD*	European Union	Registered	6735351	6735351	7-Mar-08	14-Oct-10
NOVEL TL*	European Union	Registered	6735039	6735039	7-Mar-08	14-Oct-10
NOVEL VC*	European Union	Registered	6735419	6735419	7-Mar-08	13-Oct-10
NOVEL XS*	European Union	Registered	6735534	6735534	7-Mar-08	13-Oct-10
OSSFOFIX	European Union	Registered	9275884	9275884	27-Jul-10	10-Jan-11
OSSFOFIX & Design*	European Union	Registered	7247505	7247505	22-Sep-08	21-Jun-09
OSSFOFIX+ & Design*	European Union	Registered	7187421	7187421	26-Aug-08	4-Jun-09
OSSEOSCREW & Design	European Union	Registered	7066376	7066376	15-Jul-08	21-Apr-09

SOLANAS*	European Union	Registered	6966733	6966733	6-Jun-08	31-Mar-09
TRESTLE*	European Union	Registered	6956031	6956031	2-Jun-08	31-Mar-09
ZODIAC LUXE*	European Union	Registered	6444491	6444491	16-Nov-07	6-Nov-08
ZODIAC*	European Union	Registered	6728604	6728604	5-Mar-08	13-Feb-09
ALPHATEC SPINE*	France	Registered	1124469	1124469	15-Jun-12	15-Jun-12
BONE'X*	France	Registered	3417862	3417862	21-Mar-06	21-Mar-06
CERFIX*	France	Registered	97708403	97708403	9-Dec-97	9-Dec-97
CLARIS*	France	Registered	97709927	97709927	18-Dec-97	18-Dec-97
D.O.S.*	France	Registered	3080650	3080650	5-Feb-01	5-Feb-01
DESIGN Only*	France	Registered	3076115	3076115	11-Jan-01	11-Jan-01
DISCOCCERV*	France	Registered	3310432	3310432	31-Aug-04	31-Aug-04
EASYS*	France	Registered	3177708	3177708	1-Aug-02	1-Aug-02

ELECTRA*	France	Registered	3599361	3599361	18-Sep-08	18-Sep-08
INSPIRATION*	France	Registered	3632330	3632330	25-Feb-09	25-Feb-09
ISOBAR SL*	France	Registered	3599364	3599364	18-Sep-08	18-Sep-08
ISOBAR*	France	Registered	93451653	93451653	15-Jan-93	15-Jan-93
ISOFORM*	France	Registered	3767481	3767481	20-Sep-10	20-Sep-10
ORIA*	France	Registered	3162808	3162808	3-May-02	3-May-02
PACH*	France	Registered	99788196	99788196	19-Apr-99	19-Apr-99
SAMARYS*	France	Registered	3167350	3167350	4-Jun-02	4-Jun-02
SCIENTX*	France	Registered	3075304	3075304	8-Jan-01	8-Jan-01
SPINE NET GROUP OF COMPANIES*	France	Registered	3034999	3034999	9-Jun-00	9-Jun-00
SPINE NETWORK GROUP OF COMPANIES*	France	Registered	3040842	3040842	7-Jul-00	7-Jul-00
SPINEVIEW*	France	Registered	99817319	99817319	8-Oct-99	8-Oct-99

SURGIVIEW*	France	Registered	3014617	3014617	10-Mar-00	10-Mar-00
THEISIS*	France	Registered	98715297	98715297	26-Jan-98	26-Jan-98
ZENITH*	France	Registered	3043949	3043949	25-Jul-00	25-Jul-00
DISCOCERV*	Germany	Registered		845479		25-Feb-05
ISOFORM & Design*	Germany	Registered		1073099		17-Feb-11
SAMARYS*	Germany	Registered		836127		4-Aug-04
SCIENTIX*	Germany	Registered		763736		4-Jul-01
X & Design*	Germany	Registered		763710		4-Jul-01
SAMARYS*	Greece	Registered		836127		4-Aug-04
ALPHATEC SPINE	Int'l Registration - Madrid Protocol	Registered	1124469	1124469	15-Jun-12	15-Jun-12
DISCOCERV*	Int'l Registration - Madrid Protocol	Registered		845479		25-Feb-05
ELECTRA*	Int'l Registration - Madrid Protocol	Registered		983918		22-Sep-08

Isobar SL*	Int'l Registration - Madrid Protocol	Registered			990622		22-Sep-08
ISOFORM & Design*	Int'l Registration - Madrid Protocol	Registered			1073099		17-Feb-11
SAMARYS*	Int'l Registration - Madrid Protocol	Registered			836127		4-Aug-04
SCIENTX*	Int'l Registration - Madrid Protocol	Registered			763736		4-Jul-01
X & Design*	Int'l Registration - Madrid Protocol	Registered			763710		4-Jul-01
ALPHATEC SPINE*	Israel	Registered	1124469		1124469	15-Jun-12	15-Jun-12
DISCOCERV*	Italy	Registered			845479		25-Feb-05
ISOFORM & Design*	Italy	Registered			1073099		17-Feb-11
SAMARYS*	Italy	Registered			836127		4-Aug-04
SCIENTX*	Italy	Registered			763736		4-Jul-01
X & Design*	Italy	Registered			763710		4-Jul-01
A ALPHATEC SPINE*	Japan	Registered	2008093886		5329441	20-Nov-08	11-Jun-10

ALPHAGRAFT PROFUSE*	Japan	Registered	2009013716	5294649	26-Feb-09	15-Jan-10
ALPHATEC SPINE	Japan	Registered	1124469	1124469	15-Jun-12	15-Jun-12
BATTALION (Katakana) *	Japan	Registered	2015051236	5826278	29-May-15	12-Feb-16
BATTALION*	Japan	Registered	2015051235	5826277	29-May-15	12-Feb-16
DISCOCERV*	Japan	Registered		845479		25-Feb-05
ILLICO*	Japan	Registered	2007119663	5112938	29-Nov-07	22-Feb-08
NEOCORE in Katakana*	Japan	Registered	2015116747	5860898	27-Nov-15	24-Jun-16
NEOCORE*	Japan	Registered	2015116746	5860897	27-Nov-15	24-Jun-16
NOVEL RIMA*	Japan	Registered	2007117327	5129821	21-Nov-07	18-Apr-08
OSSEOFIX & Design*	Japan	Registered	2008079524	5231687	30-Sep-08	15-May-09
OSSEOFIX*	Japan	Registered	2010058819	5402902	27-Jul-10	1-Apr-11
OSSEOFIX+ & Design*	Japan	Registered	2008073613	5217393	8-Sep-08	27-Mar-09

OSSEOSCREW & Design*	Japan	Registered	2008062855	5196469	31-Jul-08	16-Jan-09
OSSEOSLEEVE*	Japan	Registered	2009089152	5331100	25-Nov-09	18-Jun-10
SAMARYS*	Japan	Registered		836127		4-Aug-04
SOLANAS*	Japan	Registered	2008017826	5172192	10-Mar-08	10-Oct-08
TRESTLE*	Japan	Registered	2008017819	5153215	10-Mar-08	18-Jul-08
ZODIA (Katakana) *	Japan	Registered	2015098596	5894210	13-Oct-15	4-Nov-16
ZODIAC LUXE*	Japan	Registered	2007117323	5129820	21-Nov-07	18-Apr-08
ZODIAC*	Japan	Registered	2015098595	5894209	13-Oct-15	4-Nov-16
ALPHATEC SPINE*	Kazakhstan	Registered	1124469	1124469	15-Jun-12	15-Jun-12
ALPHATEC VELOSSITY*	Mexico	Pending	M1319563		23-Oct-12	
BONE'XTRUDABLE*	Mexico	Registered	M1319564	1349720	23-Oct-12	21-Feb-13
ALPHATEC SPINE*	Moldova	Registered	1124469	1124469	15-Jun-12	15-Jun-12

ELECTRA*	Monaco	Registered			983918		22-Sep-08
Isobar SL*	Monaco	Registered			990622		22-Sep-08
AGING SPINE CENTER & Design*	Norway	Registered	200901284	200901284		6-Feb-09	19-May-09
ILLICO*	Norway	Registered	200714676	244297		28-Nov-07	15-Feb-08
NOVEL RIMA*	Norway	Registered	200714126	244077			4-Feb-08
OSSEOFIX & Design*	Norway	Registered	200811963	250159		22-Nov-08	9-Mar-09
OSSEOFIX+ & Design*	Norway	Registered	200810708	248769		25-Aug-08	24-Nov-08
OSSEOSCREW & Design*	Norway	Registered	200810745	248491		26-Aug-08	4-Nov-08
SOLANAS*	Norway	Registered	200807428	247778			24-Sep-08
TRESTLE*	Norway	Registered	200802893	246085		29-Feb-08	27-May-08
ZODIAC LUXE*	Norway	Registered	200714116	243979		19-Nov-07	30-Jan-08
ZODIAC*	Norway	Registered	200803023	245906			15-May-08



DISCOCERV*	Portugal	Registered		845479		25-Feb-05
SAMARYS*	Portugal	Registered		836127		4-Aug-04
ALPHATEC SPINE*	Russia	Registered	1124469	1124469	15-Jun-12	15-Jun-12
ALPHATEC SPINE*	Singapore	Registered	1124469	1124469	15-Jun-12	15-Jun-12
ALPHATEC SPINE*	Slovakia	Registered	1124469	1124469	15-Jun-12	15-Jun-12
A ALPHATEC SPINE & Design*	South Korea	Registered	4.5201E+12	4.5003E+12	23-Oct-08	17-May-10
ALPHAGRAFT PROFUSE*	South Korea	Registered	4.0201E+12	4.0081E+12	27-Feb-09	22-Jan-10
ALPHATEC SPINE*	South Korea	Registered	1124469	1124469	15-Jun-12	15-Jun-12
DISCOCERV*	South Korea	Registered		845479		25-Feb-05
SAMARYS*	South Korea	Registered		836127		4-Aug-04
DISCOCERV*	Spain	Registered		845479		25-Feb-05
ISOFORM & Design*	Spain	Registered		1073099		17-Feb-11

SAMARYS*	Spain	Registered			836127		4-Aug-04
X & Design*	Spain	Registered			763710		4-Jul-01
AGING SPINE CENTER & Design*	Switzerland	Registered	51396/2009		587330	9-Feb-09	9-Jun-09
ALPHAGRAFT PROFUSE*	Switzerland	Registered	52153/2009		587561	26-Feb-09	15-Jun-09
ALPHATEC SPINE & Design*	Switzerland	Registered	63273/2008		589026	28-Oct-08	15-Jul-09
DISCOCERV*	Switzerland	Registered			845479		25-Feb-05
ISOFORM & Design*	Switzerland	Registered			1073099		17-Feb-11
NOVEL RIMA*	Switzerland	Registered	63064/2007		570424	20-Nov-07	11-Apr-08
OSSEOFIX & Design*	Switzerland	Registered	62325/2008		581595	8-Oct-08	13-Jan-09
OSSEOFIX & Design*	Switzerland	Registered	62094/2008		590018	29-Sep-08	10-Aug-09
OSSEOSCREW & Design*	Switzerland	Registered	59119/2008		579442	21-Jul-08	20-Nov-08
SAMARYS*	Switzerland	Registered			836127		4-Aug-04

SCIENTX*	Switzerland	Registered			763736		4-Jul-01
SOLANAS*	Switzerland	Registered	52888/2008		572049	4-Mar-08	27-May-08
TRESTLE*	Switzerland	Registered	54063/2008		572832	28-Mar-08	10-Jun-08
X & Design*	Switzerland	Registered			763710		4-Jul-01
ZODIAC*	Switzerland	Registered	52936/2008		572645	5-Mar-08	4-Jun-08
ALPHATEC SPINE*	Ukraine	Registered	1124469		1124469	15-Jun-12	15-Jun-12
ISOFORM & Design*	United Kingdom	Registered			1073099		17-Feb-11
SCIENTX*	United Kingdom	Registered			763736		4-Jul-01
X & Design*	United Kingdom	Registered			763710		4-Jul-01
3D ProFuse*	USA	Registered	85/623164		4397223	11-May-12	3-Sep-13
A (Stylized)	USA	Pending	87/693450			21-Nov-17	
A DESIGN	USA	Registered	77/406700		3588669	26-Feb-08	10-Mar-09

AGING SPINE CENTER & Design*	USA	Registered	77/553170	3931478	21-Aug-08	15-Mar-11
ALPHAGRAFT	USA	Registered	86/325599	4671825	1-Jul-14	13-Jan-15
ALPHAGUARD*	USA	Registered	85/219002	4116069	17-Jan-11	20-Mar-12
ALPHATEC A SPINE INC. & Design*	USA	Registered	77/118879	3358674	28-Feb-07	25-Dec-07
ALPHATEC NEXOSS*	USA	Registered	85/679389	4302864	17-Jul-12	12-Mar-13
ALPHATEC SOLUS	USA	Registered	85/365190	4187920	7-Jul-11	7-Aug-12
ALPHATEC SOLUS ANTERIOR LUMBAR INTERBODY FUSION	USA	Registered	85/364710	4222888	6-Jul-11	9-Oct-12
ALPHATEC SPINE	USA	Registered	85/048003	3940197	26-May-10	5-Apr-11
ALPHATEC SPINE & Design	USA	Registered	77/406716	3592709	26-Feb-08	17-Mar-09
AMNIOSHIELD	USA	Registered	77/840161	3836179	2-Oct-09	17-Aug-10
ANCHORMAX*	USA	Registered	85/168536	4172366	3-Nov-10	10-Jul-12
ARSENAL	USA	Registered	85/808319	5286481	20-Dec-12	12-Sep-17

ASPIDA*	USA	Registered	85/067995	4088638	21-Jun-10	17-Jan-12
AVVALON*	USA	Registered	85/067973	4222344	21-Jun-10	9-Oct-12
BATTALION	USA	Registered	86/321265	4965198	26-Jun-14	24-May-16
BRIDGEPOINT	USA	Registered	85/067926	4210553	21-Jun-10	18-Sep-12
DEL MAR*	USA	Registered	78/804769	3309449	1-Feb-06	9-Oct-07
DELTALOC*	USA	Registered	76/097336	2606667	25-Jul-00	13-Aug-02
GLIF*	USA	Registered	85/365216	4102118	7-Jul-11	21-Feb-12
HELIFIX*	USA	Registered	77/716647	3971100	17-Apr-09	31-May-11
ILLICO	USA	Registered	77/193440	3509506	30-May-07	30-Sep-08
KODIAK	USA	Published	87/580646		23-Aug-17	
NEOCORE	USA	Registered	86/834463	5143024	30-Nov-15	14-Feb-17
NEXOSS*	USA	Registered	85/662073	4306821	26-Jun-12	19-Mar-13

NOVEL	USA	Registered	86/309780	4758743	13-Jun-14	23-Jun-15
OSSEOFIX	USA	Registered	85/091616	3992448	23-Jul-10	12-Jul-11
OSSEOSCREW & Design	USA	Registered	77/442244	3981839	7-Apr-08	21-Jun-11
OSSEOSCREW*	USA	Registered	85/364623	4102102	6-Jul-11	21-Feb-12
PEGASUS	USA	Registered	85/808372	4437561	20-Dec-12	19-Nov-13
PureGen*	USA	Registered	85/134435	4165220	21-Sep-10	26-Jun-12
SOLANAS	USA	Registered	77/181251	3391172	15-May-07	4-Mar-08
SQUADRON	USA	Registered	87/187686	5371138	29-Sep-16	2-Jan-18
TRESTLE	USA	Registered	77/344133	3471451	4-Dec-07	22-Jul-08
TRESTLE LUXE	USA	Registered	85/068010	4126127	21-Jun-10	10-Apr-12
XENON*	USA	Registered	85/068936	4080840	22-Jun-10	3-Jan-12
ZODIAC	USA	Renewed	76/566979	3335652	12-Dec-03	13-Nov-07

ALPHATEC SPINE*	Vietnam	Registered	1124469	1124469	15-Jun-12	15-Jun-12
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\* Indicates That Instructions Have Been Received to Abandon the Application or Registration



Alphatec Spine, Inc. also owns the following intellectual property listed below.

<b>Trademark</b>	<b>Country</b>	<b>Serial No.</b>	<b>Registration No.</b>
ALPHATEC MHS	US	74/355141	1909230
OSSEOSCREW	US	87/816924	-



**INTELLECTUAL PROPERTY**

SafeOp Surgical, Inc. owns all intellectual property listed on this schedule.

<b>Trademark</b>	<b>No.</b>	<b>Jurisdiction of Registration</b>	<b>Filing Date/ Expiration Date</b>
EPAD	15909799	European Union	
SAFEOP SURGICAL	15909815	European Union	
	15909849	European Union	
EPAD	87009963	United States	
SAFEOP SURGICAL	87009929	United States	
	87009973	United States	

<b>Patent Docket No.</b>	<b>Type</b>	<b>No.</b>	<b>Status</b>	<b>Jurisdiction of Registration</b>	<b>Filing Date/ Expiration Date</b>
-0201	Non-Provisional Priority to -0200	12/620,384	Issued	United States	
-0202	Non-Provisional DIV of -0201	13/364,444	Issued	United States	
-0203	Non-Provisional DIV of -0201	14/968,544	Pending	United States	
-0206	National Phase of -0205	AU 2010259190	Issued	AUS	
-0208	National Phase of -0205	CA 2764295	Pending	Canada	
-0209	National Phase of -0205	CN 201080025776.9	Issued	China	
-0210	National Phase of -0205	EP 10786543.8	Pending	European Union	
-0211	National Phase of -0205	JP 2012-514965	Issued	Japan	
-0251	Non-Provisional Priority to -0250	13/874,867	Pending	United States	
-0256	National Phase of -0255	AU 2013256343	Issued	AUS	
-0258	National Phase of -0255	2,874,743	Pending	Canada	
-0259	National Phase of -0255	CN 201380035512.5	Issued	China	
-0260	National Phase of -0255	EP 13784125.0	Pending	European Union	

Patent Docket No.	Type	No.	Status	Jurisdiction of Registration	Filing Date/ Expiration Date
-0261	National Phase of -0255	JP 2015-510431	Pending	Japan	
	Registration of -0255	15108835.5	Pending	Hong Kong	
	Registration of -0255	15108912.1	Pending	Hong Kong	
-0304	National Phase of -0310	15/025,259	Pending	United States	
-0313	National Phase of -0310	EP 14847273.1	Pending	European Union	
-0315	National Phase of -0310	JP 2016-517301	Pending	Japan	
-0318	National Phase of -0310	CN 2014863801	Pending	China	
-0414	National Phase of -0410	15/034,798	Pending	United States	
-0411	National Phase of -0410	CN 2014871956	Pending	China	
-0412	National Phase of -0410	EP 14861025.6	Pending	European Union	
-0413	National Phase of -0410	JP 2016-528159	Pending	Japan	
-0502	National Phase of -0501	15/529,928	Pending	United States	
-0511	National Phase of -0501	CN 201580063512.	Pending	China	
-0512	National Phase of -0501	EP 15862769.5	Pending	European Union	
-0513	National Phase of -0501	JP 2016-528159	Pending	Japan	
	Registration	HK 17111506.5	Pending	Hong Kong	
-0610/US	National Phase of -0600	15/569,367	Pending	United States	
-0611	National Phase of -0600	201680024474.7	Pending	China	
-0612	National Phase of -0600	EP 16789949.1	Pending	European Union	
-0613	National Phase of -0600	2017-556209	Pending	Japan	
-0701	Non-Provisional Priority to -0700	15/710,749	Pending	United States	
	International Application Priority to - 0800	PCT/US17/61410	Pending	PCT	
-0850	Provisional	62/475,097	Pending	United States	
-0900	Provisional	62/521,268	Pending	United States	
	Provisional	62/592,275	Pending	United States	