

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT8226704

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Nathan C. Moskowitz	03/13/2018
RECEIVING PARTY DATA	
Name:	MOSKOWITZ FAMILY LLC
Street Address:	212 NORTH ADAMS STREET
City:	ROCKVILLE
State/Country:	MARYLAND
Postal Code:	20850
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	17706873
Application Number:	17752330
Application Number:	17981686
CORRESPONDENCE DATA	
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NAME OF SUBMITTER:	EMILY NEISH
SIGNATURE:	/Emily Neish/
DATE SIGNED:	10/18/2023
Total Attachments: 12	
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ASSIGNMENT

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, NATHAN C. MOSKOWITZ, assign to MOSKOWITZ FAMILY LLC, a limited liability company registered under the laws of Maryland and having a principal place of business at 212 North Adams Street, Rockville, MD 20850, and its successors, transferees, and assignees (collectively the "Assignee").

WHEREAS, Assignor is the owner of the entire right, title and interest in and to the patents and patent applications set forth on Schedule A attached hereto and in and to the inventions disclosed therein (collectively, the "Inventions and Patent Rights").

NOW, THEREFORE, for good and valuable consideration acknowledged by Assignor to have been received in full from Assignee, Assignor hereby agrees as follows:

1. This Assignment assigns (a) the Inventions and Patent Rights and all other applications (including continuation applications and divisional applications) that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Inventions and Patent Rights in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Inventions and Patent Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Inventions and Patent Rights and any other rights assigned by this Assignment.

2. I authorize the Assignee to apply for and pursue protection for any or all of the Inventions and Patent Rights and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in my name or in the Assignee's name.

3. I represent and warrant that I have the right and power to make this Assignment and that I have not made and will not make any other assignment that conflicts with this Assignment.

4. I will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Inventions and Patent Rights, will execute and

provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Nathan C. Moskowitz DATE: 3/13/18
NATHAN C. MOSKOWITZ

State of Maryland

County of Montgomery

On this 13th day of March, 2018, before me, the undersigned officer, personally appeared Nathan C. Moskowitz, known to me (or satisfactorily proven) to be the person(s) whose name(s) is/are subscribed to within the instrument and acknowledged that he/she/they executed the same for the purposes therein contained.

In witness hereof I hereunto set my hand and official seal.

Danielle R Waties

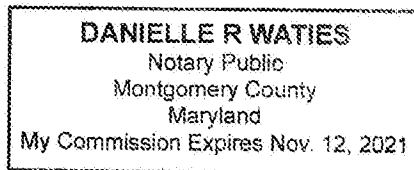
Signature of Notary Public

Danielle R Waties

Name of Notary Public

Notary Public

My Commission expires 11/12/2021



The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: MOSKOWITZ FAMILY LLC

Signature: Nathan C. Moskowitz Date: 3/13/18

Name: NATHAN C. MOSKOWITZ

Title: MANAGER MOSKOWITZ FAMILY LLC

State of Maryland

County of Montgomery

On this 13th day of March, 2018, before me, the undersigned officer, personally appeared Nathan C. Moskowitz, known to me (or satisfactorily proven) to be the person(s) whose name(s) is/are subscribed to within the instrument and acknowledged that he/she/they executed the same for the purposes therein contained.

In witness hereof I hereunto set my hand and official seal.

Danielle R Waties

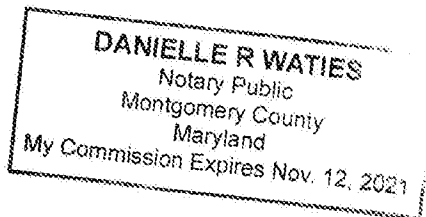
Signature of Notary Public

Danielle R Waties

Name of Notary Public

Notary Public

My Commission expires 11/12/2021



Schedule A

<u>Application Serial No.</u>	<u>Title</u>	<u>Filed</u>	<u>Issued</u>	<u>Patent No.</u>	<u>Docket No.</u>
11/487,415	ARTIFICIAL TOTAL LUMBAR DISC FOR UNILATERAL SAFE AND SIMPLE POSTERIOR PLACEMENT IN THE LUMBAR SPINE, AND REMOVABLE BIFUNCTIONAL SCREW WHICH DRIVES VERTICAL SLIDING EXPANSILE PLATE EXPANSION, AND INTERPLATE WIDENING, AND ANGLED TRACTION SPIKES	7/17/2006	12/21/2010	7,854,766	45335-0004001
12/889,328	ARTIFICIAL TOTAL LUMBAR DISC FOR UNILATERAL SAFE AND SIMPLE POSTERIOR PLACEMENT IN THE LUMBAR SPINE, AND REMOVEABLE BIFUNCTIONAL SCREW WHICH DRIVES VERTICAL SLIDING EXPANSILE PLATE EXPANSION, AND INTERPLATE WIDENING, AND ANGLED TRACTION SPIKES	9/23/2010			45335-0004002
11/684,787	TOTALLY WIRELESS ELECTRONICALLY EMBEDDED ACTION-ENDED ENDOSCOPE UTILIZING DIFFERENTIAL DIRECTIONAL ILLUMINATION WITH DIGITALLY CONTROLLED MIRRORS AND/OR PRISMS	3/12/2007	08/28/2012	8,251,891	45335-0005001
13/596,038	TOOLS FOR IMPLANTATION AND EXTRACTION OF ARTIFICIAL DISCS	8/27/2012	10/31/2017	9,801,728	45335-0005002
15/724,015	TOOLS FOR IMPLANTATION AND EXTRACTION OF ARTIFICIAL DISCS	10/3/2017			45335-0005003
12/347,990	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS, ZERO-PROFILE HORIZONTAL INTERVERTEBRAL MINIPLATES,	12/31/2008	05/31/2011	7,951,180	45335-0006002

	EXPANSILE INTERVERTEBRAL BODY FUSION DEVICES, AND POSTERIOR MOTION-CALIBRATING INTERARTICULATING JOINT STAPLING DEVICE FOR SPINAL FUSION				
13/093,812	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS, ZERO-PROFILE HORIZONTAL INTERVERTEBRAL MINIPLATES, EXPANSILE INTERVERTEBRAL BODY FUSION DEVICES, AND POSTERIOR MOTION-CALIBRATING INTERARTICULATING JOINT STAPLING DEVICE FOR SPINAL FUSION	4/25/2011			45335-0006003
11/737,846	ELECTRONICALLY CONTROLLED ARTIFICIAL INTERVERTEBRAL DISC WITH MOTOR ASSISTED ACTUATION SYSTEMS	4/20/2007	12/21/2010	7,854,765	45335-0007001
12/945,835	ELECTRONICALLY CONTROLLED ARTIFICIAL INTERVERTEBRAL DISC WITH MOTOR ASSISTED ACTUATION SYSTEMS	11/13/2010	11/15/2016	9,492,282	45335-0007002
15/350,352	ELECTRONICALLY CONTROLLED ARTIFICIAL INTERVERTEBRAL DISC WITH MOTOR ASSISTED ACTUATION SYSTEMS	11/14/2016			45335-0007003
11/536,815	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS, ZERO-PROFILE HORIZONTAL INTERVERTEBRAL MINIPLATES, TOTAL INTERVERTEBRAL BODY FUSION DEVICES, AND POSTERIOR MOTION-CALIBRATING INTERARTICULATING JOINT STAPLING DEVICE FOR SPINAL	9/29/2006	12/07/2010	7,846,188	45335-0008001

	FUSION				
14/299,711	BI-DIRECTIONAL FIXATING TRANSDERTEBRAL BODY SCREWS, ZERO-PROFILE HORIZONTAL INTERTEBRAL MINIPLATES, TOTAL INTERTEBRAL BODY FUSION DEVICES, AND POSTERIOR MOTION-CALIBRATING INTERARTICULATING JOINT STAPLING DEVICE FOR SPINAL FUSION	6/9/2014			45335- 0008003
15/896,130	BI-DIRECTIONAL FIXATING TRANSDERTEBRAL BODY SCREWS, ZERO-PROFILE HORIZONTAL INTERTEBRAL MINIPLATES, TOTAL INTERTEBRAL BODY FUSION DEVICES, AND POSTERIOR MOTION-CALIBRATING INTERARTICULATING JOINT STAPLING DEVICE FOR SPINAL FUSION	2/14/2018			45335- 0008004
11/842,855	BI-DIRECTIONAL FIXATING TRANSDERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	8/21/2007	05/17/2011	7,942,903	45335- 0009001
13/084,543	BI-DIRECTIONAL FIXATING TRANSDERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	4/11/2011	01/15/2013	8,353,913	45335- 0009002
13/108,982	BI-DIRECTIONAL FIXATING TRANSDERTEBRAL BODY SCREWS	5/16/2011	04/14/2015	9,005,293	45335- 0009003

	AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION				
13/210,150	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	8/15/2011	1/16/2018	9,867,719	45335-0009004
13/210,157	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	8/15/2011	2/13/2018	9,889,022	45335-0009005
13/210,162	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	8/15/2011	2/20/2018	9,895,238	45335-0009006
13/210,168	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	8/15/2011	3/6/2018	9,907,674	45335-0009007
13/741,361	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	1/14/2013	04/05/2016	9,301,854	45335-0009008
15/054,926	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND	2/26/2016	12/26/2017	9,848,998	45335-0009010

	LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION				
15/894,471	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	2/12/2018			45335-0009011
11/943,334	ARTIFICIAL TOTAL LUMBAR DISC FOR UNILATERAL SAFE AND SIMPLE POSTERIOR PLACEMENT IN THE LUMBAR SPINE, AND REMOVABLE BIFUNCTIONAL SCREW WHICH DRIVES VERTICAL SLIDING EXPANSILE PLATE EXPANSION, AND INTERPLATE WIDENING, AND ANGLED TRACTION SPIKES	11/20/2007	09/17/2013	8,535,379	45335-0010001
13/893,326	ARTIFICIAL CERVICAL AND LUMBAR DISCS, DISC PLATE INSERTION GUN FOR PERFORMING SEQUENTIAL SINGLE PLATE INTERVERTEBRAL IMPLANTATION ENABLING SYMMETRIC BI-DISC PLATE ALIGNMENT FOR INTERPLATE MOBILE CORE PLACEMENT	5/13/2013	06/16/2015	9,056,018	45335-0010002
14/739,327	ARTIFICIAL CERVICAL AND LUMBAR DISCS, DISC PLATE INSERTION GUN FOR PERFORMING SEQUENTIAL SINGLE PLATE INTERVERTEBRAL IMPLANTATION ENABLING SYMMETRIC BI-DISC PLATE ALIGNMENT FOR INTERPLATE MOBILE CORE PLACEMENT	6/15/2015	1/16/2018		45335-0010003
15/870,406	ARTIFICIAL CERVICAL AND LUMBAR DISCS, DISC PLATE INSERTION GUN FOR PERFORMING SEQUENTIAL	1/12/2018			45335-0010004

	SINGLE PLATE INTERVERTEBRAL IMPLANTATION ENABLING SYMMETRIC BI-DISC PLATE ALIGNMENT FOR INTERPLATE MOBILE CORE PLACEMENT				
12/054,335	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	3/24/2008	07/05/2011	7,972,363	45335- 0011001
13/103,994	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	5/9/2011	03/28/2017	9,603,713	45335- 0011002
15/470,066	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	3/27/2017			45335- 0011003
12/471,340	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS HAVING A CENTRAL SCREW LOCKING LEVER, AND PLIERS AND DEVICES FOR SPINAL FUSION	5/22/2009	05/27/2014	8,734,516	45335- 0012001
14/257,650	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS HAVING A CENTRAL SCREW LOCKING LEVER, AND PLIERS AND DEVICES FOR SPINAL FUSION	4/21/2014	04/18/2017	9,622,875	45335- 0012003

15/490,107	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS HAVING A CENTRAL SCREW LOCKING LEVER, AND PLIERS AND DEVICES FOR SPINAL FUSION	4/18/2017			45335- 0012004
12/957,776	HORIZONTAL-TRANSVERTEBRAL CURVILINEAR NAIL-SCREWS WITH INTER-LOCKING RIGID OR JOINTED FLEXIBLE RODS FOR SPINAL FUSION	12/1/2010	2/13/2018	9,888,918	45335- 0013001
15/862,016	HORIZONTAL-TRANSVERTEBRAL CURVILINEAR NAIL-SCREWS WITH INTER-LOCKING RIGID OR JOINTED FLEXIBLE RODS FOR SPINAL FUSION	1/4/2018			45335- 0013002
12/471,345	POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT STAPLES, STAPLING GUNS, AND DEVICES FOR SPINAL FUSION	5/22/2009	09/04/2012	8,257,370	45335- 0014001
12/983,107	TOTAL ARTIFICIAL SPINO-LAMINAR PROSTHETIC REPLACEMENT	12/31/2010	2/27/2018	9,901,455	45335- 0015002
	TOTAL ARTIFICIAL SPINO-LAMINAR PROSTHETIC REPLACEMENT				45335- 0015003
13/101,129	INTERARTICULATING SPINOUS AND TRANSVERSE PROCESS STAPLES FOR SPINAL FUSION	5/4/2011	07/22/2014	8,784,450	45335- 0016001
14/337,210	CERVICAL SPINOUS PROCESS STAPLE	7/21/2014			45335- 0016002
15/693,594	CERVICAL SPINOUS PROCESS STAPLE	9/1/2017			45335- 0016003
13/101,135	SPINOUS PROCESS STAPLE WITH INTERDIGITATING-INTERLOCKING HEMI-SPACERS FOR ADJACENT SPINOUS PROCESS SEPARATION AND DISTRACTION	5/4/2011	06/13/2017	9,675,385	45335- 0017001
13/401,829	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY	2/21/2012	8/29/2017	9,744,052	45335- 0018001

	SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS				
15/678,401	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS				45335- 0018002
14/049,743	ENDOSCOPIC SURGICAL SYSTEM	10/9/2013			45335- 0019001
14/063,197	ZERO-PROFILE EXPANDABLE INTERVERTEBRAL SPACER DEVICES FOR DISTRACTION AND SPINAL FUSION AND A UNIVERSAL TOOL FOR THEIR PLACEMENT AND EXPANSION	10/25/2013	12/26/2017	9,848,993	45335- 0020001
15/820,232	ZERO-PROFILE EXPANDABLE INTERVERTEBRAL SPACER DEVICES FOR DISTRACTION AND SPINAL FUSION AND A UNIVERSAL TOOL FOR THEIR PLACEMENT AND EXPANSION	11/21/2017			45335- 0020002
13/418,323	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS	3/12/2012	11/14/2017	9,814,601	45335- 0021001
15/791,484	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS	10/24/2017			45335- 0021002
14/460,330	SYSTEMS AND APPARATUSES FOR IMPROVED VISUALIZATION OF ENDOSCOPIC IMAGES	8/14/2014			45335- 0022001
13/418,335	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS WITH VERTICAL HEMI-BRACKET SCREW LOCKING MECHANISM	3/12/2012	01/03/2017	9,532,821	45335- 0023001

15/397,198	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS WITH VERTICAL HEMI-BRACKET SCREW LOCKING MECHANISM	1/3/2017			45335- 0023002
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