

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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PROPERTY NUMBERS Total: 17	
Property Type	Number
Application Number:	15934622
Application Number:	15896130
Application Number:	15934614
Application Number:	15894471
Application Number:	15944117
Application Number:	15870406
Application Number:	15944221
Application Number:	15862016
Application Number:	15904617
Application Number:	12889328
Application Number:	15724015
Application Number:	15490107
Application Number:	15693594
Application Number:	15678401
Application Number:	15820232
Application Number:	15791484
Application Number:	14460330
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ATTORNEY DOCKET NUMBER:	46440-0001001
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NAME OF SUBMITTER:	ABBY REMER
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SIGNATURE:	/Abby Remer/
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DATE SIGNED:	04/23/2018
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Total Attachments: 6

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 UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Name(s)
 of Inventor(s):

WHEREAS, I, Mosheh T. MOSKOWITZ, (hereinafter designated as the Assignor) have invented certain new and useful improvements as identified in the Application Number(s) and/or Patent Number(s) identified below:

Application Serial No.	Filing Date	Title of the Invention	U.S. Patent No.	Issue Date
1	11/019,351	12/23/2004	ARTIFICIAL EXPANSIBLE TOTAL LUMBAR AND THORACIC DISCS FOR POSTERIOR PLACEMENT WITHOUT SUPPLEMENTAL INSTRUMENTATION AND ITS ADAPTATION FOR ANTERIOR PLACEMENT OF ARTIFICIAL CERVICAL, THORACIC AND LUMBAR DISCS	7,083,650 08/01/2006
2	11/208,644	08/23/2005	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS, ZERO-PROFILE HORIZONTAL INTERVERTEBRAL MINIPLATES, EXPANSIBLE INTERVERTEBRAL BODY FUSION DEVICES, AND POSTERIOR MOTION-CALIBRATING INTERARTICULATING JOINT STAPLING DEVICE FOR SPINAL FUSION	7,704,279 04/27/2010
3	11/536,815	09/29/2006	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 FUSION	7,846,188 12/07/2010
4	11/737,846	04/20/2007	ELECTRONICALLY CONTROLLED ARTIFICIAL INTERVERTEBRAL DISC WITH MOTOR ASSISTED ACTUATION SYSTEMS	7,854,765 12/21/2010
5	11/487,413	07/17/2006	ARTIFICIAL TOTAL LUMBAR DISC FOR UNILATERAL SAFE AND SIMPLE POSTERIOR PLACEMENT IN THE LUMBAR SPINE, AND REMOVABLE BIFUNCTIONAL SCREW WHICH DRIVES VERTICAL SLIDING EXPANSIBLE PLATE EXPANSION, AND INTERPLATE WIDENING, AND ANGLED TRACTION SPIKES	7,854,766 12/21/2010
6	11/842,855	08/21/2007	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	7,942,903 05/17/2011
7	12/347,990	12/31/2008	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS, ZERO-PROFILE HORIZONTAL INTERVERTEBRAL MINIPLATES, EXPANSIBLE INTERVERTEBRAL BODY FUSION DEVICES, AND POSTERIOR MOTION-CALIBRATING INTERARTICULATING JOINT STAPLING DEVICE FOR SPINAL FUSION	7,951,180 05/21/2011

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Application Serial No.	Filing Date	Title of the Invention	U.S. Patent No.	Issue Date
8	12/054,335	03/24/2008	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT STAPLING GUNS AND DEVICES FOR SPINAL FUSION	7,972,363 07/05/2011
9	11/684,787	05/12/2007	TOTALLY WIRELESS ELECTRONICALLY EMBEDDED ACTION-ENDED ENDOSCOPE UTILIZING DIFFERENTIAL DIRECTIONAL ILLUMINATION WITH DIGITALLY CONTROLLED MIRRORS AND/OR PRISMS	8,251,891 08/28/2012
10	12/471,345	05/22/2009	POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT STAPLES, STAPLING GUNS, AND DEVICES FOR SPINAL FUSION	8,257,370 09/04/2012
11	13/084,543	04/11/2011	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	8,353,913 01/15/2013
12	11/843,334	11/20/2007	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	8,535,379 09/17/2013
13	12/471,346	09/23/2009	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	8,734,516 05/27/2014
14	12/868,451	08/25/2010	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 FUSION	8,747,444 06/10/2014
15	13/101,129	05/04/2011	INTERARTICULATING SPINOUS AND TRANSVERSE PROCESS STAPLES FOR SPINAL FUSION	8,784,450 07/22/2014
16	12/889,328	09/23/2010	ARTIFICIAL TOTAL LUMBAR DISC FOR UNILATERAL SAFE AND SIMPLE POSTERIOR PLACEMENT IN THE LUMBAR SPINE, AND REMOVEABLE BIFUNCTIONAL SCREW WHICH DRIVES VERTICAL SLIDING EXPANSIBLE PLATE EXPANSION, AND INTERPLATE WIDENING, AND ANGLED TRACTION SPIKES	
17	12/945,835	11/13/2010	ELECTRONICALLY CONTROLLED ARTIFICIAL INTERVERTEBRAL DISC WITH MOTOR ASSISTED ACTUATION SYSTEMS (As Amended)	
18	12/957,776	12/01/2010	HORIZONTAL-TRANSVERTEBRAL CURVILINEAR NAIL-SCREWS WITH INTER-LOCKING RIGID OR JOINTED FLEXIBLE RODS FOR SPINAL FUSION	
19	12/983,107	12/31/2010	TOTAL ARTIFICIAL SPINO-LAMINAR PROSTHETIC REPLACEMENT	

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	Application Serial No.	Filing Date	Title of the Invention	U.S. Patent No.	Issue Date
20	13/093,812	04/25/2011	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS, ZERO-PROFILE HORIZONTAL INTERVERTEBRAL MINIPLATES, EXPANSIBLE INTERVERTEBRAL BODY FUSION DEVICES, AND POSTERIOR MOTION-CALIBRATING INTERARTICULATING JOINT STAPLING DEVICE FOR SPINAL FUSION		
21	13/101,135	05/04/2011	SPINOUS PROCESS STAPLE WITH INTERDIGITATING-INTERLOCKING HEMI-SPACERS FOR ADJACENT SPINOUS PROCESS SEPARATION AND DISTRACTION		
22	13/103,994	05/09/2011	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT STAPLING GUNS AND DEVICES FOR SPINAL FUSION		
23	13/108,982	05/16/2011	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION		
24	13/210,150	08/15/2011	BI-DIRECTIONAL FIXATING TRANSVEPTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION		
25	13/210,157	08/15/2011	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION		
26	13/210,162	08/15/2011	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION		
27	13/210,168	08/15/2011	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION		
28	13/401,829	02/21/2012	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS		
29	13/418,323	03/12/2012	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS		
30	13/418,335	03/12/2012	BI-DIRECTIONAL FIXATING/LOCKING TRANSVERTEBRAL BODY SCREW/INTERVERTEBRAL CAGE STAND-ALONE CONSTRUCTS WITH VERTICAL HEMI-BRACKET SCREW LOCKING MECHANISM		
31	13/596,038	08/27/2012	TOOLS FOR IMPLANTATION AND EXTRACTION OF POSTERIORLY PLACED LUMBAR ARTIFICIAL DISCS INCLUDING A TOTALLY WIRELESS ELECTRONICALLY EMBEDDED ACTION-ENDED ENDOSCOPE UTILIZING DIFFERENTIAL DIRECTIONAL ILLUMINATION WITH DIGITALLY CONTROLLED MIRRORS AND/OR PRISMS, AND A DISC BALL INSERTER, A PLATE EXTRACTOR, AND RESCUE DISC PLATES		
32	13/741,361	01/14/2013	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION		

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Application Serial No.	Filing Date	Title of the Invention	U.S. Patent No.	Issue Date
33	13/893,326	05/13/2013	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	
34	14/049,743	10/09/2013	ENDOSCOPIC SURGICAL SYSTEM	
35	14/063,197	10/25/2013	ZERO-PROFILE EXPANDABLE INTERVERTEBRAL SPACER DEVICES FOR DISTRACTION AND SPINAL FUSION AND A UNIVERSAL TOOL FOR THEIR PLACEMENT AND EXPANSION	
36	14/257,650	04/21/2014	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	
37	14/229,711	06/09/2014	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 FUSION	
38	14/337,210	07/21/2014	CERVICAL SPINOUS PROCESS STAPLE	
39	14/460,330	08/14/2014	SYSTEMS AND APPARATUSES FOR IMPROVED VISUALIZATION OF ENDOSCOPIC IMAGES	
40	14/739,327	06/15/2015	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	
41	15/054,926	02/26/2016	BI-DIRECTIONAL FIXATING TRANSVERTEBRAL BODY SCREWS AND POSTERIOR CERVICAL AND LUMBAR INTERARTICULATING JOINT CALIBRATED STAPLING DEVICES FOR SPINAL FUSION	

Name

of Assignee WHEREAS, Nathan C. Moskowitz

Address

of Assignee of 212 North Adams Street, Rockville MD 20850 US

his heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said inventions, applications and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00) to the Assignor in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the Assignor has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said inventions in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries including all rights of priority arising from the applications and Letters Patents;

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and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted;

and to any and all causes of action, rights, and remedies arising under any such applications and Letters Patents prior to or after the effective date of this Agreement including the right to recover damages for any infringement of any rights in and to the inventions and any patents therefrom prior to the effective date of the agreement.

The Assignor agrees to execute all papers necessary in connection with these applications and any continuing, divisional, conversion, reissue, or reexamination application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The Assignor agrees to, upon request and without further compensation, perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the Assignor if this Assignment and sale had not been made.

The Assignor agrees to, upon request and without further compensation, execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The Assignor hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from the applications or any continuing, divisional conversion or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The Assignor agrees to, upon request and without further compensation, execute all papers necessary in connection with any interference which may be declared concerning the applications or continuations, divisions, conversions or reissues thereof or Letter Patent(s) or reissue patent(s) issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The Assignor agrees to, upon request and without further compensation, communicate to the Assignee any facts known to the Assignor respecting the invention and to testify in any legal proceedings concerning the applications or continuations, divisions, conversions or reissues thereof or Letter Patent(s) or reissue patent(s) issued thereon, to execute all lawful papers necessary in connection with enforcing proper patent protection of the inventions in all countries, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such enforcement of patent protection.

The Assignor hereby grants the law firm of Dresch IP Law, PLLC and Assignee the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The Assignor hereby represents and warrants that no act has been or will be performed which would statutorily bar a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee.

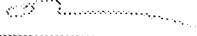
Assignor hereby grants Assignee the right to sell, transfer, or otherwise alienate the invention(s), application(s), and/or Letters Patent(s), and/or the continuation(s), division(s), conversion(s), or reissue(s) thereof or Letter Patent(s) or reissue patent(s) issued thereon to third party(ies) in whole or in part including the right to license and sub-license.

Assignor hereby waives any right or claim to a "shop" use or "shop right" of the invention.

MULTIPLE ASSIGNMENTS

In witness whereof, executed by the Assignor on the date(s) opposite the Assignor name(s).

Date 9/3/16

Name of Inventor (Assignor) 
(Signature of Mosheh T. MOSKOWITZ)