PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5200126

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
SYNTHES USA, LLC	12/30/2012

RECEIVING PARTY DATA

Name:	DEPUY SPINE, LLC
Street Address:	325 PARAMOUNT DRIVE
City: RAYNHAM	
State/Country:	MASSACHUSETTS
Postal Code:	02767

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15787323		

CORRESPONDENCE DATA

Fax Number: (404)645-7707

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: 4046457700

Email: athomason@mcciplaw.com

Correspondent Name: MEUNIER CARLIN & CURFMAN LLC

Address Line 1: 999 PEACHTREE STREET, NE

Address Line 2: SUITE 1300

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	10104-009US3
NAME OF SUBMITTER:	MEREDITH STRUBY
SIGNATURE:	/Meredith Struby/
DATE SIGNED:	10/22/2018

Total Attachments: 6

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> PATENT REEL: 047268 FRAME: 0490

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PATENT REEL: 047268 FRAME: 0491

GENERAL ASSIGNMENT AND ASSUMPTION

Pursuant to the terms and conditions of that certain Contribution Agreement, dated as of December 30, 2012 (the "Agreement"), by and between Synthes USA, LLC, a Delaware limited liability company (the "Contributor"), and DePuy Spine, LLC, an Ohio limited liability company (the "Recipient"), the Contributor, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby transfer, assign, convey, set over, and deliver unto the Recipient, or, in the case of real property, at the direction of the Recipient, as of the date set forth above, the assets set forth on Schedule A (Step 15-4) attached hereto (the "Contributed Assets") and all of the Contributor's right, title, and interest therein.

The Recipient covenants and agrees that as of the date set forth above, the Recipient hereby assumes the obligations and duties of the Contributor under the liabilities associated with the Contributed Assets, if any, as required by the terms of the Agreement, and the Recipient shall be bound by the terms of the governing agreements, commitments, and instruments that it is required to assume by the terms of the Agreement with the same force and effect as if such Recipient was an original party to such governing agreements, commitments, and instruments.

[Signature Page Follows]

PATENT REEL: 049262 FRAME: 0492

IN WITNESS WHEREOF, the Assumption to be effective as of the d	e parties hereto have executed this General Assignment and late first above written.
DATED: December <u>30</u> , 2012	SYNTHES USA, LLC
	By:
DATED: December, 2012	DEPUY SPINE, LLC
	By:Name: John F. Sharkey

Title: Assistant Secretary

[SIGNATURE PAGE OF GENERAL ASSIGNMENT AND ASSUMPTION]

PATENT REEL: 049968 FRAME: 0405

IN WITNESS WHEREOF, the parties hereto have executed this General Assignment an	d
Assumption to be effective as of the date first above written.	_

DATED: December ____, 2012

SYNTHES USA, LLC

Title: President

DATED: December <u>30</u>, 2012

DEPUY SPINE, LLC

Name: John K

Title: Assistant Secretary

[SIGNATURE PAGE OF GENERAL ASSIGNMENT AND ASSUMPTION]

PATENT REEL: 039282 FRAME: 0996

Schedule A (Step 16-4)

Contributed Assets

Synthes USA, LLC

- (a) Other than the Excluded Assets as provided in (e) below, all intellectual property owned by the Contributor on the Effective Date, including:
 - (i) all inventions (whether patentable or unpatentable and whether or not reduced to practice); all improvements to any inventions; and all patents, patent applications, patent disclosures, utility models, certificates of invention and industrial designs, together with all reissuances, continuations, continuations-in-part, divisionals, extensions, and reexaminations, and any patent or patent application that claims priority to any of the foregoing, including without limitation the properties listed in <u>Schedule A-1 (Step 16-4)</u>;

(iv) all plains annights of action wising and of an late 14 and 15 city
(iv) all claims or rights of action arising out of or related to any infringement, misappropriation or other violation of the foregoing intellectual property listed in (a)(i) including rights to recover damages for past, present and future violations thereof;

PATENT REEL: 039282 FRAME: 0993

Schedule A-1 (Step 16-4)

Synthes USA, LLC

[See Attached]

PATENT REEL: 039282 FRAME: 0498

Schedule A-1 (Step 16-4)

nternal Ref.	App. No.	Filing Date	Pat. No.	Country	Issue Date		Owner Company
01419US1	13236126	19-Sep-11		US		Device for Measuring the Degree of Bending of an Intramedullary Nail	Synthes USA, LLC
Г01420Р	61384537	20-Sep-10		US		Segments of a Surgical Implant	Synthes USA, LLC
Γ01420US1	13233702	15-Sep-11		us		Method for Joining Two or More Segments of a Surgical Implant	Synthes USA, LLC
T01422P	61373374	13-Aug-10		US		Bone Stabilization Device	Synthes USA, LLC
T01422F T01422US1	13197539	3-Aug-11		us		Bone Stabilization Device	Synthes USA, LLC
T01422031 T01423CA	13197339	1-Jun-11		CA			Synthes USA, LLC
	04000004	21-Jul-10		us		Device for Osteosynthesis	Synthes USA, LLC
T01423P	61366324	1-Jun-11		US		Device for Osteosynthesis	Synthes USA, LLC
<u>T01423US1</u> <u>T01432P</u>	13150900 61487140	17-May-11		us		Telescoping Screw for Femoral Neck Fractures	Synthes USA, LLC
T01432P2				US		Screw-in-Screw Telescoping Screw for Femoral Neck Fractures	
T01432US	13462544	2-May-12		US		Telescoping Screw for Femoral Neck Fractures	Synthes USA, LLC
T01447P	61381264	9-Sep-10		us		Surgical Nail	Synthes USA, LLC
T01447P T01447P2	61476597	18-Apr-11		us		Locking Clavicle Nail	Synthes USA, LLC
		20-Jun-11		US		Surgical Nail	Synthes USA, LLC
T01447P3	61498892	7-Sep-11		us		Surgical Nail	Synthes USA, LLC
T01447US1	13227169	27-Oct-10		us		Bone Implant	Synthes USA, LLC
T01448P	61407231	21-Oct-11		us		Bone Implant	Synthes USA, LLC
T01448US1	13278805			US		Top Seal Anchor	Synthes USA, LLC
T01450P	61619705	3-Apr-12		us		Pcl Augmentation System	Synthes USA, LLC
T01457US T01461P	13494593	12-Jun-12		US		Cam Lock - Sleeve Locking Mechanism	Synthes USA, LLC
T01469P	61500433	23-Jun-11		us		New Bone Anchors with Metallic Tips	Synthes USA, LLC
T01469US	13488893	5-Jun-12		US		New Bone Anchors with Metallic Tips	Synthes USA, LLC
T01475CA1	2719699	26-Mar-09		CA		Universal Anchor for Attaching Objects to Bone Tissue	Synthes USA, LLC
T01475US1	12934196	23-Sep-10		US		Universal Anchor for Attaching Objects to Bone Tissue	Synthes USA, LLC
T01481US1	13011307	21-Jan-11		US		Depth Probe for Humeral Head	Synthes USA, LLC
T01488P	61473983	11-Apr-11		US		Acetabular Roof Reinforcement Plate	Synthes USA, LLC
T01488US	13398174	16-Feb-12		US		Acetabular Roof Reinforcement Plate	Synthes USA, LLC Synthes USA, LLC
T01490P	61416668	23-Nov-10		US		Surgical Implant	Synthes USA, LLC
T01490US	13282094	26-Oct-11		US		Surgical Implant	
T01498P	61419143	2-Dec-10		US		Instrument for Cutting a Tendon	Synthes USA, LLC
T01498US	13301384	21-Nov-11		US		Apparatus and Method for Elongating a Tendon	Synthes USA, LLC
T01505P				US		Suture Passer Alignment Device for Distal	Synthes USA, LLC
T01524P	61437182	28-Jan-11		US		Targeting Alignment Device for Distal	Synthes USA, LLC
T01524US	13351687	17-Jan-12		US		Targeting Method and Prosthetic Device for	Synthes USA, LLC
T01527P	61450517	8-Mar-11		US		Replacing Damaged Meniscal Tissue	
T01527P2	61472913	7-Apr-11		US		Method and Implant For Replacing Damaged Meniscal Tissue	_ Synthes USA, LLC
T01527US	13397482	15-Feb-12		US		METHOD AND IMPLANT FOR REPLACING DAMAGED MENISCAL TISSUE	Synthes USA, LLC

12/31/2012