# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4831549

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
KEVIN LEE	04/21/2017
BEN JOHNSTON	01/22/2018
FRANK SPRATT	02/07/2018
SAMUEL JACOBS	04/25/2017

### **RECEIVING PARTY DATA**

Name:	DEPUY SYNTHES PRODUCTS, INC.
Street Address:	325 PARAMOUNT DRIVE
City:	RAYNHAM
State/Country:	MASSACHUSETTS
Postal Code:	02767

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15382837

## **CORRESPONDENCE DATA**

Fax Number:

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.

Email: mvisconti@nutter.com

Correspondent Name: NUTTER MCCLENNEN & FISH LLP

Address Line 1: 155 SEAPORT BLVD
Address Line 2: SEAPORT WEST

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	101896-1827
NAME OF SUBMITTER:	MICHAEL P. VISCONTI, III
SIGNATURE:	/Michael P. Visconti, III/
DATE SIGNED:	02/20/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 8** 

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PATENT REEL: 044978 FRAME: 0283

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# COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: OFFSET RODS, C	)FFSET I	ROD CONNECTORS. AND RELATED METHODS
This declaration and assignment is directed	to:	The attached or filed herewith application of (list of named inventors),
	er	
		The United States application or PCT international application number 15/382,837 filed on December 19, 2016.
Declaration		
As the below named inventor, I he	reby deci	lare that:
The above-identified application (	"Applica	tion") was made or authorized by me.
I believe that I am the original inve	entor or a	an original inventor of a claimed invention or discovery in the Application.
	ity as de	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		e statement made in this declaration is panishable under 18 U.S.C. § 1001 by fine or h for filings of this. Application in the United States of America.
Assignment		
I hereby acknowledge that I have hereby conformed for recordation in the US		d the above-identified invention by previous assignment (attached hereto) which is Office.
or _		
For good and valuable considers assigned and transferred to:	tion, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
		DePny Synthes Products, Inc. Paramount Drive, Raynham, MA 02767 (Name and Address) tration of the state or country of <u>Delaware</u>
for other countries arising therefrom and the any and all Letters Patent of the United any and all Letters Patent of the United inventions or discoveries, or any of them, provisionals, substitutions, divisions, and discoveries, and in and to all extensions, as and enjoyed by Assignee for its own use an as fully and entirely as the same would have I shall execute all papers necessary in composition, any other patent offices, and under any reexamination of any of such applica	e right to States, I all such continual applement d enjoyn been he ection wi the Pates ations, an	e right, title, and interest in, to, and under the Application, including all priority rights octain priority to the Application, all inventions or discoveries therein disclosed, and European Patent Office and of all other countries, which may be granted for such inventions or discoveries and all rights in such Application including any and all tions thereof, and to all Letters Patent that may be granted for said inventions and tary protection certificates, reexaminations, renewals, and reissues thereof, to be held nent to the full end of the term or terms for which such Letters Patent may be granted, and enjoyed by me had this assignment and sale not been made.  th the Application in the United States Patent and Trademark Office, European Patent at Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such ents in connection with such applications as the Assignee may deem necessary or

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I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME	OF INVENTOR	
		4/21/2017
Signature	(Kevin Lee)	Date
3475596.1	, , , , , , , , , , , , , , , , , , ,	

COMB	INED :	DECLARATION AND ASSIGNMENT
Title of Invention: OFFSET RODS, OF	FSET R	ROD CONNECTORS, AND RELATED METHODS
This declaration and assignment is directed to		The attached or filed herewith application of (list of named inventors),
	or	
	$\boxtimes$	The United States application or PCT international application number <u>15/382,837</u> filed on <u>December 19, 2016</u> .
Declaration		
As the below named inventor, I here	by decla	are that:
The above-identified application ("A	Applicati	ion") was made or authorized by me.
I believe that I am the original inven	ıtor or aı	n original inventor of a claimed invention or discovery in the Application.
	y as defi	its of the Application, including the claims, and I acknowledge the duty to disclose ined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or for filings of this Application in the United States of America.
Assignment		
I hereby acknowledge that I have a hereby conformed for recordation in the US F		I the above-identified invention by previous assignment (attached hereto) which is ffice.
or		
For good and valuable considerations	on, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
assigned and transferred to.		DePuy Synthes Products, Inc.
	325 Pa	nramount Drive, Raynham, MA 02767 (Name and Address)
, A	4 corpor	ration of the state or country of <u>Delaware</u>
for other countries arising therefrom and the any and all Letters Patent of the United Stany and all Letters Patent of the United Stany entitions or discoveries, or any of them, a provisionals, substitutions, divisions, and co discoveries, and in and to all extensions, suppand enjoyed by Assignee for its own use and	right to ates, En all such ontinuation plementa enjoymo	right, title, and interest in, to, and under the Application, including all priority rights claim priority to the Application, all inventions or discoveries therein disclosed, and uropean Patent Office and of all other countries, which may be granted for such inventions or discoveries and all rights in such Application including any and all ons thereof, and to all Letters Patent that may be granted for said inventions and ary protection certificates, reexaminations, renewals, and reissues thereof, to be held ent to the full end of the term or terms for which such Letters Patent may be granted, d and enjoyed by me had this assignment and sale not been made.
Office, any other patent offices, and under that any reexamination of any of such application	e Patent ons, and	th the Application in the United States Patent and Trademark Office, European Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any patent term extensions or supplementary protection certificates of any such into in connection with such applications as the Assignee may deem necessary or

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I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR	1/22/18
Signature (Ben Johnston)	Date /

## COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: OFFSET RODS. OFFSET ROD CONNECTORS. AND RELATED METHODS  This declaration and assignment is directed to:  The attached or filed herewith application of (list of named inventors)  The United States application or PCT international application number 15/382,837 filed on December 19, 2016.  Declaration  As the below named inventor, I hereby declare that:  The above-identified application ("Application") was made or authorized by me.  I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.  I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclos information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, \$1.56 for filings of this Application in the United States of America.  Assignment  I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. \$ 1001 by fine of imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.  Assignment  I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) which is hereby conformed for recordation in the US Patent Office.  Or  DePuy Synthes Products, Inc.  325 Paramount Dive, Raymbam, MA 02767  (Name and Address)  A corporation of the state or country of Delaware  (hereimafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States. Rapropen Patent Office, so was used and enjoyed by Assignate for its own use and enjoyed by own use and enjoyed by own use and enjoyed by own use and enjoyement to the full and of the term or terms for which such Letter	COMBIN	DECLARATION AND ASSIGNMENT
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I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) which is hereby conformed for recordation in the US Patent Office.  or    For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to:    DePuy Synthes Products, Inc. 325 Paramount Drive, Raynham, MA 02767 (Name and Address)   A corporation of the state or country of Delaware    Chereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.  I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection	I hereby acknowledge that any willful timprisonment of not more than five (5) years, or	false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine o both for filings of this Application in the United States of America.
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I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

Signature

3475663.1

(Frank Spratt)

7m 2018

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## COMBINED DECLARATION AND ASSIGNMENT

	W40. (1232)	
Title of Invention: OFFSET RODS. ( This declaration and assignment is directed		ROD CONNECTORS, AND RELATED METHODS
		The attached or filed herewith application of (list of named inventors),
	or	
	Ø	The United States application or PCT international application number 15/382.837 filed on December 19, 2016.
Declaration		
As the below named inventor, I he	reby decl	lare that:
The above-identified application (	"Applicat	tion") was made or authorized by me.
I believe that I am the original inv	entor or a	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood to information which is material to patentable this Application in the United States of An	lity as de	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that any wimprisonment of not more than five (5) year	illful false irs, or bot	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
Assignment		
I hereby acknowledge that I have hereby conformed for recordation in the US	e assigne 3 Patent C	d the above-identified invention by previous assignment (attached hereto) which is Office.
Or .		
For good and valuable considers assigned and transferred to:	ition, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
	<u>325 P</u> i	DePuy Synthes Products, Inc. aramount Drive, Raynham, MA 02767 (Name and Address)
	A corpor	ration of the state or country of <u>Delaware</u>
for other countries arising therefrom and the any and all Letters Patent of the United inventions or discoveries, or any of them provisionals, substitutions, divisions, and discoveries, and in and to all extensions, sund enjoyed by Assignee for its own use ar	ne right to States, I , all such continuat upplement ad enjoym	e right, title, and interest in, to, and under the Application, including all priority rights o claim priority to the Application, all inventions or discoveries therein disclosed, and European Patent Office and of all other countries, which may be granted for such a inventions or discoveries and all rights in such Application including any and all lions thereof, and to all Letters Patent that may be granted for said inventions and tary protection certificates, reexaminations, renewals, and reissues thereof, to be held nent to the full end of the term or terms for which such Letters Patent may be granted, ald and enjoyed by me had this assignment and sale not been made.
Office, any other patent offices, and under my reexamination of any of such applica	the Paten itions, an	th the Application in the United States Patent and Trademark Office, European Patent of Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such contents in connection with such applications as the Assignee may deem necessary or

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LEGAL NAME OF INVENTOR	
Show the state of	April 25,2017
Signature (Samuel Jacobs)	Date
3475663.1	