504096393 11/15/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4143062

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEHMET Z. SENGUN	10/24/2016
DAVID B. SPENCINER	10/25/2016
RICHARD M. LUNN	10/25/2016
JOSEPH HERNANDEZ	10/24/2016

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:	15297696

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.

Phone: 617-542-6000
Email: csperry@mintz.com
Correspondent Name: CHRISTINA SPERRY
Address Line 1: ONE FINANCIAL CENTER

Address Line 4: BOSTON, MASSACHUSETTS 02111

NAME OF SUBMITTER:
CHRISTINA SPERRY

/Christina Sperry/

DATE SIGNED:
11/15/2016
This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8

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PATENT 504096393 REEL: 040326 FRAME: 0771



COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: Meniscal Repair Device	ces, Systems, and Methods
This declaration and assignment is directed to:	
	The attached or filed herewith application of (list of named inventors),
OI,	
	The United States application or PCT international application Number 15/297,696 filed on October 19, 2016.
Declaration	
As the below named inventor, I hereby de-	clare that:
The above-identified application ("Application)	ation") 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 contrinformation which is material to patentability as d this Application in the United States of America.	ents of the Application, including the claims, and I acknowledge the duty to disclose efined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that any willful fal imprisonment of not more than five (5) years, or bo	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th for filings of this Application in the United States of America.
Assignment	DePuy Synthes Products, Inc. 325 Paramount Drive Raynham, MA 02767
	a corporation of Delaware
(he	reinafter designated as the "Assignee"),
I hereby acknowledge that I have assigne which is hereby conformed for recordation in the U	d the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, th assigned and transferred to Assignee:	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all in States, European Patent Office and of all other co such inventions or discoveries and all rights in continuations thereof, and to all Letters Patent the supplementary protection certificates, reexamination	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United countries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, ans, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ment and sale not been made.
	Page 1 of 2

Attorney Docket No.: 47062-528001US (MIT5262USNP)

US Application No.: 15,297,696

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 with such applications as the Assignee may deem necessary or expedient.

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

Mehmet Z. Sengun

Signature

Date

60994837v.1

COMBINED DECLARATION AND ASSIGNMENT	
Title of Invention: Meniscal Repair Devices, Systems, and Methods	
This declaration and assignment is directed to:	
The attached or filed herewith application of (list of named inventors)	
	· · · · · · · · · · · · · · · · · · ·
or	
The United States application or PCT international application Number 15/297,696 filed on October 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 information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for this Application in the United States of America.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 temprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.	y fine or
Assignment	
DePuy Synthes Products, Inc. 325 Paramount Drive Raynham, MA 02767	
a corporation of Delaware	
(hereinafter designated as the "Assignee"),	•
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	Assignee
or ·	
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and assigned and transferred to Assignee:	/or have
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therein the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, division continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all excupplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its and enjoyement to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same tave been held and enjoyed by me had this assignment and sale not been made.	them, all ons, and tensions, own use
Do 1 1 1 1 1 1 1	
Page 1 of 2	

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 with such applications as the Assignee may deem necessary or expedient.

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

David B. Spenciner		•
	\mathcal{N}	10.25.16
Signature		Date

60994957v.1

Page 2 of 2

CC	OWRINED	DECLARATION AND ASSIGNMENT
Title of Invention: Meniscal Re	epair Devic	ees, Systems, and Methods
This declaration and assignment is dire	ected to:	
•		The attached or filed herewith application of (list of named inventors),
	or	
	\boxtimes	The United States application or PCT international application Number 15/297,696 filed on October 19, 2016.
Declaration		
As the below named inventor,	. I hereby dec	lare that:
The above-identified applicati	ion ("Applica	ation") was made or authorized by me.
I believe that I am the original	l inventor or	an original inventor of a claimed invention or discovery in the Application.
	itability as de	ents 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 punishable under 18 U.S.C. § 1001 by fine or the for filings of this Application in the United States of America.
Assignment		DePuy Synthes Products, Inc. 325 Paramount Drive Raynham, MA 02767
		a corporation of Delaware
Thereby asknowledge that I h		einafter designated as the "Assignee"), the above-identified invention by previous assignment (attached hereto) to Assignee
		S Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable consinassigned and transferred to Assignee:	deration, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Applic States, European Patent Office and of such inventions or discoveries and a continuations thereof, and to all Lette supplementary protection certificates, r	cation, all invalued and other could rights in respect that the reexamination or terms f	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and t may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use or which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.
•	•	Page 1 of 2

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 with such applications as the Assignee may deem necessary or expedient.

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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.

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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

Richard M. Lunn

Rud Jas . Lum.	10/25/2016	
Signature	Date	

60995181v.1

COMBINED DECLARATION AND ASSIGNMENT	
Title of Invention: Meniscal Repair Devi	ces, Systems, and Methods
This declaration and assignment is directed to:	
· · · · · · · · · · · · · · · · · · ·	The attached or filed herewith application of (list of named inventors),
or	
	The United States application or PCT international application Number 15/297,696 filed on October 19, 2016.
Declaration	
As the below named inventor, I hereby de	clare that:
The above-identified application ("Applic	ation") was made or authorized by me.
•	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the con	tents of the Application, including the claims, and I acknowledge the duty to disclose defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that any willful fa imprisonment of not more than five (5) years, or be	Ise statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or oth for filings of this Application in the United States of America.
Assignment	DePuy Synthes Products, Inc. 325 Paramount Drive Raynham, MA 02767
	a corporation of Delaware
· (h	ereinafter designated as the "Assignee"),
I hereby acknowledge that I have assigned which is hereby conformed for recordation in the U	ed the above-identified invention by previous assignment (attached hereto) to Assignee JS Patent Office and I confirm I have and do assign and transfer:
or ·	
For good and valuable consideration, tassigned and transferred to Assignee:	he sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all is States, European Patent Office and of all other of such inventions or discoveries and all rights in continuations thereof, and to all Letters Patent to supplementary protection certificates, reexamination	r the Application, including all priority rights for other countries arising therefrom and nventions or discoveries therein disclosed, and any and all Letters Patent of the United countries, which may be granted for such inventions or discoveries, or any of them, all a such Application including any and all provisionals, substitutions, divisions, and that may be granted for said inventions and discoveries, and in and to all extensions, cons, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ment and sale not been made.
	Page 1 of 2

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LEGAL NAME OF INVENTOR

Signature Date

60995365v.1

Page 2 of 2