502446713 08/06/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David C. Colter	07/25/2013
Charito Buensuceso	06/21/2013
Christian C. Kazanecki	07/12/2013
Anna Gosiewska	06/24/2013

RECEIVING PARTY DATA

Name:	DePuy Synthes Products, LLC
Street Address:	325 Paramount Drive
City:	Raynham
State/Country:	MASSACHUSETTS
Postal Code:	02767

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13792461

CORRESPONDENCE DATA

Fax Number: 7325242808

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 7325242759

Email: jnjuspatent@its.jnj.com

Correspondent Name: Philip S. Johnson

Address Line 1: One Johnson & Johnson Plaza

Address Line 4: New Brunswick, NEW JERSEY 08933

ATTORNEY DOCKET NUMBER:	RTX5015USCIP1
NAME OF SUBMITTER:	Angelina Petti
Signature:	/Angelina Petti/

PATENT REEL: 030945 FRAME: 0705 CH \$40 00

Date:	08/06/2013
Total Attachments: 20	
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Serial No. 13/792,461 Filing Date: March 11, 2013

ASSIGNMENT

WHEREAS, David C. Colter, Charito Buensuceso, Christian C. Kazanecki and Anna Gosiewska, residing at 208 Irvington Place, Hamilton, NJ 08610, 11 Petunia Drive, Apt. 1J, North Brunswick, NJ 08902, P.O. Box 451, Martins Creek, PA 18063 and 39 Red Fox Court, Skillman, NJ 08558 respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

MAMMARY ARTERY DERIVED CELLS AND METHODS OF USE IN TISSUE REPAIR AND REGENERATION

for which they have on March 11, 2013 filed an application for Letters Patent of the United States, identified as Serial No. 13/792,461; and

WHEREAS, DEPUY SYNTHES PRODUCTS, LLC, a corporation of the State of Delaware, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for good and valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, provisionals, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may

involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

WITNESS my hand and seal this 25th day of July, 2013.

David C. Colter

(official signature and seal of notary)

NOTARIAL SEAL

State/Commonwealth of Pennsylvania:

County of: Montgomery

On this 35^m day of July, 2013, before me Christine Razler, the undersigned notary public, personally appeared David C. Colter, who is personally known to me to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

In witness whereof, I hereunto set my hand and official seal.

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Christine M. Razier, Notary Public Lower Gwynedd Twp., Montgomery County My Commission Biplies Dec. 14, 2015

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

WITNESS my hand and seal this	day of	, 2013.	
			(L.S.)
·	Charito E	Buensuceso	,
NOTARIAL SEAL			
State/Commonwealth of:	-		
County of:			
On this day of , 2013 be personally appeared Charito Buensuceso, person whose name is signed on the acknowledged to me that he signed it volunt	who is perso preceding of	nally known to or attached d	
(official sign	nature and sea	l of notary)	

WITNESS my hand and seal this	day of	, 2013.	
			(L.S.)
	Christian	C. Kazanecki	
NOTARIAL SEAL			
State/Commonwealth of:	·		
County of:			
On this day of , 2013 by personally appeared Christian C. Kazaned person whose name is signed on the acknowledged to me that he signed it volunt	ki, who is pers e preceding c	onally known to or attached o	
(official sig	nature and sea	l of notary)	

WITNESS my hand and seal this	day of	, 2013.	
			(L.S.)
	Anna Go	siewska	
NOTARIAL SEAL			
State/Commonwealth of:			
County of:	•		
On this day of , 2013 I personally appeared Anna Gosiewska, wh whose name is signed on the preceding on that he signed it voluntarily for its state.	or attached doc	known to me to	be the person
(official sig	nature and sea	l of notary)	

Serial No. 13/792,461 Filing Date: March 11, 2013

ASSIGNMENT

WHEREAS, David C. Colter, Charito Buensuceso, Christian C. Kazanecki and Anna Gosiewska, residing at 208 Irvington Place, Hamilton, NJ 08610, 11 Petunia Drive, Apt. 1J, North Brunswick, NJ 08902, P.O. Box 451, Martins Creek, PA 18063 and 39 Red Fox Court, Skillman, NJ 08558 respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

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NOW, THEREFORE, BE IT KNOWN that for good and valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, provisionals, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

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And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may

be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

WITNESS my hand and seal this	day of	, 2013.	
			(L.S.)
	David C.	Colter	
NOTARIAL SEAL			
State/Commonwealth of:			
County of:			
On this day of , 2013 personally appeared David C. Colter, whose name is signed on the preceding me that he signed it voluntarily for its state	or attached doc	nown to me t	o be the persor
(official si	gnature and seal	of notary)	

WITNESS my hand and seal this 2l4 day of J6 day of J6 , 2013.

CS Burninciso (L.S.)
Charito Buensuceso

NOTARIAL SEAL

State/Commonwealth of:

County of:

On this 21st day of June , 2013 before me, the undersigned notary public, personally appeared Charito Buensuceso, who is personally known to me to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Vature of Level (official signature and seal of notary)

PATRICIA L TWADDLE Notery Public State of New Jersey My Commission Expires Jun 25, 2017

WITNESS my hand and seal this	day of	, 2013.	
	Christiar	n C. Kazanecki	(L.S.)
NOTARIAL SEAL			
State/Commonwealth of:		•	
County of:			
On this day of , 2013 by personally appeared Christian C. Kazaneo person whose name is signed on the acknowledged to me that he signed it volumes	cki, who is pers e preceding	or attached do	me to be the
(official sig	inature and se	al of notary)	

WITNESS my hand and seal this	day of	, 2013.	
			(L.S.)
	Anna Go	siewska	
NOTARIAL SEAL			
State/Commonwealth of:			
County of:			
On this day of , 2013 k personally appeared Anna Gosiewska, wh whose name is signed on the preceding of me that he signed it voluntarily for its state	o is personally or attached doo	known to me t	
(official sig	nature and sea	al of notary)	

Serial No. 13/792,461 Filing Date: March 11, 2013

ASSIGNMENT

WHEREAS, David C. Colter, Charito Buensuceso, Christian C. Kazanecki and Anna Gosiewska, residing at 208 Irvington Place, Hamilton, NJ 08610, 11 Petunia Drive, Apt. 1J, North Brunswick, NJ 08902, P.O. Box 451, Martins Creek, PA 18063 and 39 Red Fox Court, Skillman, NJ 08558 respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

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WITNESS my hand and seal this	day of	, 2013.	•
			(L.S.)
	David C	Colter	
NOTARIAL SEAL			
State/Commonwealth of:			
County of:			
On this day of , 2013 is personally appeared David C. Colter, who whose name is signed on the preceding on that he signed it voluntarily for its state.	is personally l or attached do	known to me t	d notary public to be the person tcknowledged to
(official sig	gnature and sea	al of notary)	

WITNESS my hand and seal this	day of	, 2013.	
			(L.S.)
	Charito E	Buensuceso	
NOTARIAL SEAL			
State/Commonwealth of:	•		
County of:			
On this day of , 2013 b personally appeared Charito Buensuceso person whose name is signed on the acknowledged to me that he signed it volun	, who is perso e preceding o	nally known to or attached o	
(official sig	nature and sea	l of notary)	

WITNESS my hand and seal this 12th day of July, 2013.

Christian C. Kazanecki

NOTARIAL SEAL

State/Commonwealth of: New Jussey

County of: Somer set

On this 12th day of July, 2013 before me, the undersigned notary public, personally appeared Christian C. Kazanecki, who is personally known to me to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

LJuval of notary)

PATRICIA L TWADDLE Notary Public State of New Jersey My Commission Expires Jun 25, 2017

WITNESS my hand and seal this	day of	, 2013.	
	•		(L.S.)
	Anna Go	siewska	(2.0.)
NOTARIAL SEAL			
State/Commonwealth of:			
County of:			
On this day of , 2013 I personally appeared Anna Gosiewska, wh whose name is signed on the preceding on that he signed it voluntarily for its state.	o is personally or attached doc	known to me to	•
(official sig	nature and ses	of notary)	*

Serial No. 13/792,461 DOCKET NO.RTX5015USCIP1
Filing Date: March 11, 2013 Joint Inventors

ASSIGNMENT

WHEREAS, David C. Colter, Charito Buensuceso, Christian C. Kazanecki and Anna Gosiewska, residing at 208 Irvington Place, Hamilton, NJ 08610, 11 Petunia Drive, Apt. 1J, North Brunswick, NJ 08902, P.O. Box 451, Martins Creek, PA 18063 and 39 Red Fox Court, Skillman, NJ 08558 respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

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WITNESS my nand and seal this	day of	, 2013.	
			/I C \
	David C.	Colter	(L.S.)
NOTARIAL SEAL			
State/Commonwealth of:			
County of:	·		
On this day of , 2013 personally appeared David C. Colter, whose name is signed on the preceding me that he signed it voluntarily for its state	or attached doci	nown to me to	be the person
(official sig	gnature and seal	of notary)	

WITNESS my hand and seal this	day of	, 2013.	
		-	(L.S.)
	Charito I	Buensuceso	
NOTARIAL SEAL			
State/Commonwealth of:			
County of:			
On this day of , 2013 be personally appeared Charito Buensuceso, person whose name is signed on the acknowledged to me that he signed it volunt	who is perso preceding	or attached d	me to be the
(official sign	nature and sea	ıl of notary)	

WITNESS my hand and seal this	day of	, 2013.	
			(L.S.)
	Christian	C. Kazanecki	(=:0:)
NOTARIAL SEAL			
State/Commonwealth of:			
County of:		-	
On this day of , 2013 b personally appeared Christian C. Kazanec person whose name is signed on the acknowledged to me that he signed it volun	ki, who is perse preceding o	or attached do	me to be the
(official sign	nature and seal	l of notany)	•

WITNESS my hand and seal this 24 day of June, 2013.

Anna Gosiewska

NOTARIAL SEAL

State/Commonwealth of:

County of:

On this $24^{/2}$ day of $\sqrt{3}$, 2013 before me, the undersigned notary public, personally appeared Anna Gosiewska, who is personally known to me to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Weets I Janus (official signature and seal of notary)

VICTOR F. JANAS NOTARY PUBLIC OF NEW JERSEY Commission Expires 12/28/2015

> PATENT REEL: 030945 FRAME: 0726

RECORDED: 08/06/2013