# 504268351 03/13/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4315031

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYAR	ICE:	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ	·	
		Name	Execution Date
SARAH ANTHONY			08/19/2014
DAVID M. WARLOP			08/19/2014
CHAD LAWRENCE			08/19/2014
SCOTT A. LUBENSKY			08/14/2014
ANDERS EKELUND			08/07/2014
JOSEPH P. IANNOTTI			08/26/2014
KIRK L. JENSEN			09/04/2014
JACK F. LONG			08/18/2014
DIDIER PONCET			08/27/2014
LAURENT ZANCHIN	08/03/2014		
RECEIVING PARTY DA Name:	1	Y SYNTHES PRODUCTS, LLC	
Street Address:		RAMOUNT DRIVE	
City:	RAYN		
State/Country:		ACHUSETTS	
Postal Code:	02767	0350	
PROPERTY NUMBERS	Total: 1		
Property Type		Number	
Application Number:		14885435	
CORRESPONDENCE D	ΑΤΑ		
Fax Number:		(317)231-7433	
		o the e-mail address first; if that is u d; if that is unsuccessful, it will be s	
Phone:		317-236-1313	

Phone:	317-236-1313
Email:	sswitzer@btlaw.com
Correspondent Name:	BARNES & THORNBURG LLP
Address Line 1:	11 SOUTH MERIDIAN STREET
Address Line 4:	INDIANAPOLIS, INDIANA 46204

ATTORNEY DOCKET NUMBER: 265280-243722

PATENT REEL: 041980 FRAME: 0563

504268351

NAME OF SUBMITTER:	JEFFREY T.G. KELSEY			
SIGNATURE:	/Jeffrey T.G. Kelsey/			
DATE SIGNED:	03/13/2017			
Total Attachments: 77				
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#### ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: 265280-224142 Client Reference No.: DEP6440USNP

### ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Sarah Anthony Didier Poncet David M. Warlop Laurent Zanchin Chad Lawrence Scott A. Lubensky Jack F. Long Joseph P. Iannotti Kirk L. Jensen Anders Ekelund

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/803,272, filed March 14, 2013, entitled

### STEMLESS HUMERAL COMPONENT OF AN ORTHOPAEDIC SHOULDER PROSTHESIS

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

#### A corporation of the state of **DELAWARE**

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent 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 them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to 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.

### ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to 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 and in all other countries where Assignee may desire to have such inventions, 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.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record 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 United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this as	signment at Warsaw Indiana
10th August	(city, state)
this $(12)$ day of $(12)$ (mont	<u>2014</u> . (year)
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	Sarah anthony
	Inventor (Signature)
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	Sarah Anthony Inventor (Printed Name)
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	Nancy Williams Notary Public State of Indiana
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	My Commission Exp. June 21, 2016
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265280-224142 Attorney Docket No.: \_ Client Reference No.: DEP6440USNP

)Arsaw diana IN WITNESS WHEREOF, I have executed this assignment at (city, state) 2014 . MH this day of (month) (year) (day)

Inventor (Signature)

David <u>M. Warlop</u> Inventor (Printed Name)

ACKNOWLEDGMENT STATE OF INDIANA COUNTY OF KODCULSKU SS: day of \_\_\_\_\_\_ day of \_\_\_\_\_\_\_ this Notary Public Nancy Williams Notary Public State of Indiana Notar Koschisticol Namey My Commission Exp. June 212(2016 My Commissio County Resident of

My Commission Expires:

Page 4 of 11

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Page 5 of 11

	Attorney Docket No.: <u>265280-224142</u>
	Client Reference No.: DEP6440USNP
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	Chad Lawrence Inventor (Printed Name)
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	Notary Public Nancy Williams Notary Public State of Indiana Printed Name
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Page 6 of 11

Attorney Docket No.: 265280-224142 Client Reference No.: DEP6440USNP

Warsan IN WITNESS WHEREOF, I have executed this assignment at (city, state 2014 this day of (month) (year) (day)

ture)

Inventor (Signature)

Scott A. Lubensky Inventor (Printed Name)

ACKNOWLEDGMENT STATE OF MALIUMA COUNTY OF HODCLUMO SS: this 4 Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal Notary Public Nancy Williams Notary Public State of Indiana KoBcintsko Covanty My Commission Exp. June 21, 2016 County Resident of \_ My Commission Expires:

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this	day of			_,	2014	<u>.</u> .
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Page 8 of 11

Attorney Docket No.:265280-224142Client Reference No.:DEP6440USNP

this	day of		(city, state) ,	
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			Joseph P. Iannotti Inventor (Printed Nam	e)
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			Inventor (Signatu	re)
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Page 10 of 11

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Inventor (Printed Name)
ACKNOWLEDGMENT
, within and for said County and State. Witness my hand and Notarial Seal
Notary Public
Printed Name
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Page 11 of 11

### ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Sarah Anthony Didier Poncet David M. Warlop Laurent Zanchin Chad Lawrence Scott A. Lubensky Jack F. Long Joseph P. Iannotti Kirk L. Jensen Anders Ekelund

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### STEMLESS HUMERAL COMPONENT OF AN ORTHOPAEDIC SHOULDER PROSTHESIS

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

#### A corporation of the state of **DELAWARE**

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent 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 them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of 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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### ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to 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 and in all other countries where Assignee may desire to have such inventions, 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.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record 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 United States Patent and Trademark Office for recordation of this document.

Inventor (Signature)         Sarah Anthony         Inventor (Printed Name)         ACKNOWLEDGMENT         STATE OF         STATE OF         }         SS:         COUNTY OF         }         Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal	this day	y of		(city, state) 2014 .	
Sarah Anthony         Inventor (Printed Name)         ACKNOWLEDGMENT         STATE OF         STATE OF         }         SS:         COUNTY OF         Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal         his day of	(day)		(month)	<u>2014</u> . (year)	
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STATE OF } SS: COUNTY OF } Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal thisday of				inventor (Printed Na	me)
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Page 2 of 11

Attorney Docket No.:	265280-224142	
Client Reference No .:	DEP6440USNP	

IN WITNESS WHEREOF, I have executed th	is assignment at LYON	(FRANCE)	
		(city, state)	
this <u>27</u> day of <u>AU</u> (day)	(month)	<u>2014</u>	
Outside the USA: <u>Andre</u> <u>PONCET</u> Witnesses are Witness required when acknowledgment before a Notary <u>Danielle</u> <u>Concet</u> Public is not Witness	Jonet -	(year) Inventor (Signature) Didier Poncet Inventor (Printed Name)	
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Attorney Docket No.:	265280-224142
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Attorney Docket No.:	265280-224142
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			Jack F. Long
			Inventor (Printed Name)
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			Joseph P. Iannotti	
			Inventor (Printed Name)	
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Client Reference No.:	DEP6440USNP

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			Inventor (Signature)	_
			Kirk L. Jensen	
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Page 10 of 11

Attorney Docket No.:	265280-224142
Client Reference No.:	DEP6440USNP

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My Commission Expires:\_\_\_\_\_

Resident of \_\_\_\_\_ County

### ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Sarah Anthony Didier Poncet David M. Warlop Laurent Zanchin Chad Lawrence Scott A. Lubensky Jack F. Long Joseph P. Iannotti Kirk L. Jensen Anders Ekelund

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/803,272, filed March 14, 2013, entitled

### STEMLESS HUMERAL COMPONENT OF AN ORTHOPAEDIC SHOULDER PROSTHESIS

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

#### A corporation of the state of **DELAWARE**

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent 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 them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to 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.

### ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to 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 and in all other countries where Assignee may desire to have such inventions, 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.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record 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 United States Patent and Trademark Office for recordation of this document.

Inventor (Signature)         Sarah Anthony         Inventor (Printed Name)         ACKNOWLEDGMENT         STATE OF         STATE OF         }         SS:         COUNTY OF         }         Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal	this day	y of		(city, state) 2014 .	
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Page 2 of 11

Attorney Docket No .:	265280-224142
Client Reference No.:	DEP6440USNP

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Attorney Docket No.:	265280-224142
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Attorney Docket No.:	265280-224142
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			Inventor (Signature)	
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Page 8 of 11

Attorney Docket No.:	265280-224142
Client Reference No.:	DEP6440USNP

this	day of	ed this assignment at	(city, state)	
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Attorney Docket No.:	265280-224142
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My Commission Expires:\_\_\_\_\_

Resident of \_\_\_\_\_ County
### ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: <u>265280-224142</u> Client Reference No.: <u>DEP6440USNP</u>

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Sarah Anthony Didier Poncet David M. Warlop Laurent Zanchin Chad Lawrence Scott A. Lubensky Jack F. Long Joseph P. Iannotti Kirk L. Jensen Anders Ekelund

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Attorney Docket No .:	265280-224142	
Client Reference No.:	DEP6440USNP	

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this	day of	ave executed this assignment at	(city, state) 2014	
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Page 2 of 11

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Page 3 of 11

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Page 5 of 11

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			Inventor (Signature)	
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Page 6 of 11

Attorney Docket No.: <u>265280-224142</u> Client Reference No.: <u>DEP6440USNP</u>

	day of		(city, state) 2014 .	
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			Inventor (Signature)	
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Page 7 of 11

	Client Reference No.: <u>DEP6440USNP</u>
IN WITNESS WHEREOF, I have executed this assignment at this day of(day) (month)	Ularsaw Induna (city, state) , 2014 (year)
	Inventor (Signature)
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	My Commission Exp. June 21, 2016

My Commission Expires:\_\_\_\_

Resident of

County

Page 8 of 11

Attorney Docket No.:265280-224142Client Reference No.:DEP6440USNP

IN WITNESS WHEREOF, I have executed this assignment at (city, state) 2014 this\_ day of \_ (month) (day) (year) Inventor (Signature) Joseph P. Iannotti Inventor (Printed Name) ACKNOWLEDGMENT STATE OF SS: COUNTY OF Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal \_\_\_\_\_ day of \_\_\_ this \_\_\_\_ Notary Public Printed Name County Resident of \_\_\_\_ My Commission Expires:\_

(day) (month) (year)  Inventor (Signature)  Kirk L. Jensen Inventor (Printed Name)  ACKNOWLEDGMENT  FATE OF  SS: OUNTY OF  SS: OUNTY OF  SS: OUNTY OF  Notary Public, within and for said County and State. Witness my hand and Notarial Seal is Notary Public  Notary Public  Printed Name	I WITNESS WHEREOF, this				,	(city, state) 2014	
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Attorney Docket No.: 265280-224142 Client Reference No.: DEP6440USNP

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Attorney Docket No.: <u>265280-224142</u> Client Reference No.: <u>DEP6440USNP</u>

#### ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to 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 and in all other countries where Assignee may desire to have such inventions, 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.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record 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 United States Patent and Trademark Office for recordation of this document.

this	day of		(city, state) , 2014 .	
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			Inventor (Signature)	
			Sarah Anthony	
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Page 2 of 11

Attorney Docket No.:	265280-224142	
Client Reference No.:	DEP6440USNP	

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Page 3 of 11

Attorney Docket No .:	265280-224142	
Client Reference No.:	DEP6440USNP	

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Attorney Docket No .:	265280-224142
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Attorney Docket No.:	265280-224142	
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Attorney Docket No .:	265280-224142
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Attorney Docket No.: 265280-224142 Client Reference No.: DEP6440USNP

## ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Sarah Anthony Didier Poncet David M. Warlop Laurent Zanchin Chad Lawrence Scott A. Lubensky Jack F. Long Joseph P. Iannotti Kirk L. Jensen Anders Ekelund

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/803,272, filed March 14, 2013, entitled

## STEMLESS HUMERAL COMPONENT OF AN ORTHOPAEDIC SHOULDER PROSTHESIS

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

#### A corporation of the state of **DELAWARE**

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent 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 them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to 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.

Attorney Docket No.: <u>265280-224142</u> Client Reference No.: <u>DEP6440USNP</u>

### ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to 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 and in all other countries where Assignee may desire to have such inventions, 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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ASSIGNMENT TO BUSINESS CONCERN

Attomey Docket No.: 265280-224142 Client Reference No.: DER6440USNP

### ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Satab Anthony Didier Pencet David M. Warlop Laurent Zanchin Chad Lawrence Scott A. Lubensky Jack F. Long Joseph P. Tannotti Kirk L. Jensen Andors Ekelund

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/803,272, filed March 14, 2013, emitted

## STEMLESS HUMERAL COMPONENT OF AN ORTHOPAEDIC SHOULDER PROSTHESIS

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

#### A corporation of the state of DELAWARE

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Leuers Patient of the United States and of all other countries, including Carada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term of terms for which such Lotters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agrae(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or relasue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignce may doem necessary or expedient.

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### ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to 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 and in all other countries where Assignee may desire to have such inventions, 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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Attorney Docket No.:	265280-224142
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Attorney Docket No.:	265280-224142
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# RECORDED: 03/13/2017