Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMERCI United States Patent and Trademark Offic
RECORDATION FOR	M COVER SHEET
PATENTS	SONLY
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
Name of conveying party(les):	2. Name and address of receiving party(les)
James J. Rudnick (05/14/2012), Christopher Michael Bennett (05/14/2012), Anthony Wolverton (05/11/2012), Jason Wainwright (05/16/2012) Additional name(s) of conveying party(ies) attached? Yes X No	Name: Howmedica Osteonics Corp. Internal Address: Street Address:
3. Nature of conveyance/Execution Date(s):	[
Execution Date(s): in parentheses after Inventor name X Assignment Merger Change of Name	325 Corporate Drive
Security Agreement Joint Research Agreement	City: Mahwah
Government Interest Assignment	State: New Jersey
Executive Order 9424, Confirmatory License Other	Country: United States of America Zip: 07430 Additional name(s) & address(es) Yes X No attached?
A. Patent Application No.(s) 13/457,869 Additional numbers attached?	B. Patent Nd.(s)
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: William A. Di Bianca LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 QFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: TRAUMA 3,0-675 Street Address: 600 South Avenue West	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
City: Westfield	8. Payment Information
State: NJ Zip: 07090	
Phone Number: 908-654-5000	,
Fax Number: 908-654-7866	Deposit Account Number 12-1095
Email Address: ataylor@ldlkm.com	Authorized User Name William A. Di Bianca
9. Signature:	June 4, 2012 Date
William A. Di Bianca - 58,653	Total number of pages including cover 5

2020138

PATENT

		former PTO/S9/15 (8-00) Modified LDLK
ASSIGNMENT OF UTILITY APPLICATION	Doc	ket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	<u> </u>	RAUMA 3.0-675
	1	
Whereas, I, James J. Rudnick		of
11 Clearwater Court, Mahwah, New Jersey 07430	<u> </u>	
hereafter referred to as assignor, have with others invented certain	,	improvements in
MULTIPLE COMPONENT BONE VOID FILLING IMPI		
X for which an application for a United States Letters Pate	nt was filed on A	April 27, 2012
Application Number 13/457,869		
for which an application for a United States Letters Pater	t was executed by r	me on ,
and	(
	,-	
Whereas, Howmedica Osteonics Corp.	,	
a corporation of New Jersey herein referred to as "assignee" wh	ose malling address	3 ÍS
325 Corporate Drive; Mahwah, New Jersey 07430	-	
Is desirous of acquiring the entire right, title and interest in the sa	me;	
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, I assignee my entire right, title and interest for the United State Invention and the aforesaid utility patent application and all of substitute or reissue applications and patents applied for or graph other countries, for said invention, including without limitation all priority or benefit of the aforesaid utility application pursuant to a priority or benefit and the Commissioner of Patents and Tradem patents on said improvements or resulting therefrom to said therein; and the undersigned for me and my legal representative without further remuneration, to execute and deliver all original, of for Letters Patent on said improvements and all assignments the to said assignee or its representatives all facts known to the unrequested, to testify in any interferences or other legal proceedic become involved, to sign all lawful papers, make all rightful oal assignee, its successors, assigns and nominees to obtain patent expenses incident to said applications to be borne and paid by set.	s of America and priginal, divisional, nied therefor in the lapplications and programs in the lapplications and programs in the lapplications are saigned herein, as helds and assigned respections in which any other and to do generotection for said lassigned.	y sell, assign and set over to said all other countries in and to said continuation, continuation-in-part, a United States of America and all patents for said invention claiming nd including the right to claim such thorized and requested to issue all as assignee of the entire interestins do hereby agree and coverant tion, relissue and other applications nee or its assigns, to communicate ting said improvements, whenever if said applications or patents may erally everything necessary to aid improvements in all countries, the
when known.	unuð dere sud shh	ilication number of said application
14 MAY 2012	1. 1/4	of Chi
14 MAY, 2012	yeary 1	Centro
(Date)	′ // ; ®	Signature)
State of <u>New Terrey</u>) ss: County of <u>Hergen</u>		
On this // day of // 24/2 before Rudnick, to me personally known as the individual who executed that the same was executed by him her of his her own free will for	the foregoind inst	trument, who acknowledged to me
(Notary Public)	MARIA	KIRK
	NOTARY PUBLIC C	A NEW JERSEY:
x *Total of 4 forms are submitted.	My Commission E	opires 6/8/2016

1831408

PATENT

	j former PTO/88/15 (8-00) Modified LD
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TRAUMA 3.0-675
Whereas, I, Christopher Michael Bennett	of
117 David Drive; P.O. Box 83; Thomaston, Georgia 30286	
hereafter referred to as assignor, have with others invented certain new	w and useful Improvements in
MULTIPLE COMPONENT BONE VOID FILLING IMPLANT	
x for which an application for a United States Letters Patent we	s filed on Apríl 27, 2012
Application Number 13/457,869	
for which an application for a United States Letters Patent was	executed by me on,
Whereas, Howmedica Osteonics Corp.	1
a corporation of New Jersey herein referred to as "assignee" whose m	ailing address Is
325 Corporate Drive: Mahwah, New Jersey 07430	
is desirous of acquiring the entire right, title and interest in the same;	3
NOW, THEREFORE, in consideration of the sum of one dollars	(\$ <u>1.00</u>), the receipt whe
Is acknowledged, and other good and valuable consideration, I as as	
assignee my entire right, title and interest for the United States of	America and all other countries in and to
invention and the aforesaid utility patent application and all origina	al, divisional, continuation, continuation-in-p
substitute or release applications and patents applied for or granted t	herefor in the United States of America and
other countries, for said invention, including without limitation all appl	ications and patents for said invention claim
priority or benefit of the aforesald utility application pursuant to any law	w or treaty, and including the right to claim s
priority or benefit and the Commissioner of Patents and Trademarks patents on said improvements or resulting therefrom to said assign	nee herein se ecolonee of the entire inter
therein; and the undersigned for me and my legal representatives, he	
without further remuneration, to execute and deliver all original, divisio	
for Letters Patent on said improvements and all assignments thereof	
to said assignee or its representatives all facts known to the undersi	
requested, to teatify in any interferences or other legal proceedings in become involved, to sign all lawful papers, make all rightful oaths, a	
assignee, its successors, assigns and nominees to obtain patent prote	ction for said improvements in all countries.
expenses incident to said applications to be bome and paid by said as	
And I do hereby authorize my attorneys to insert on this deed the filing	data and application aumbor of said applica-
when known.	date and application indition of said applicat
	12/1/
14- May - 2012	Ar John
(Date)	(Signature)
State of <u>(.0 ozcio</u>) SS:	1
County of Foye. 48	!
On this 14 day of man 2012 before	me personally came the above-name
Christopher Michael Bennett, to me personally known as the indi-	vidual who executed the foregoing instrume
who acknowledged to me that the same was executed by him/her of h	ils/her own free will for the purposes therein
forth.	1
Solver & testin.	:
(Notary Public)	
X *Yotal of 4 forms are submitted.	1
	100000000000000000000000000000000000000
	DEBRAL RECT

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DEBRA L. RECTOR Notary Fubilic. Georgia Fayette County My Commission Expires April 27, 2014

	IOTTIEF PTO/SS/13 (0-00) MODINES LULKAN			
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)			
	TRAUMA 3.0-675			
b				
	b			
Whereas, I, Anthony Wolverton	of			
3761 N. Camp Creek Parkway SW; Atlanta, Georgia 30	331			
hereafter referred to as assignor, have with others invented certain	N-H-SQUIJ-CATH/07/300001-300001-300004			
• •	· · · ·			
MULTIPLE COMPONENT BONE VOID FILLING IMP				
for which an application for a United States Letters Patent was filed on April 27, 2012				
Application Number 13/457,869				
for which an application for a United States Letters Pater	nt was executed by me on			
and				
f	•			
Whereas, Howmedica Osteonics Corp.				
a corporation of New Jersey herein referred to as "assignee" wh	ose malling address is			
325 Corporate Drive; Mahwah, New Jersey 07430	<u> </u>			
is desirous of acquiring the entire right, title and interest in the se	ıme;			
NOW, THEREFORE, in consideration of the sum of <u>one</u> is acknowledged, and other good and valuable consideration, I	dollars (\$ 1.00), the receipt whereof			
assignee my entire right, title and interest for the United State	es of America and all other countries in and to said			
Invention and the aforesaid utility patent application and all	original, divisional, continuation, continuation-in-part,			
substitute or reissue applications and patents applied for or gra	inted therefor in the United States of America and all			
other countries, for said Invention, including without limitation a	Il applications and patents for sald invention claiming			
priority or benefit of the aforesaid utility application pursuant to	any law or treaty, and including the right to claim such			
priority or benefit and the Commissioner of Patents and Trader patents on sald improvements or resulting therefrom to said	sectionee herein as assignee of the entire interest			
therein; and the undersigned for me and my legal representative	es, heirs and assigns do hereby agree and covenant			
without further remuneration, to execute and deliver all original,	divisional, continuation, reissue and other applications			
for Letters Patent on said improvements and all assignments th	ereof to said assignee or its assigns, to communicate			
to said assignee or its representatives all facts known to the u requested, to testify in any interferences or other legal proceed	Indersigned respecting said improvements, whenever			
become involved, to sign all lewful papers, make all rightful or	oths and to doldenerally everything necessary to aid			
essignee, its successors, assigns and nominees to obtain pater	t protection for said improvements in all countries, the			
expenses incident to said applications to be borne and paid by s	aid assignee.			
And I do hereby authorize my attorneys to insert on this deed the	a filing data and application number of said emplication			
when known.	a ming date and application number of eard application			
MAY-11-2012	////			
12012				
(Date)	(Signature)			
0-1	, •			
State of Goorgia) SS:				
County of Fayortes)				
On this \\ day of \(\frac{\(\text{MBQ} \)}{\(\text{AQ} \)} \) before	me personally came the above-named Anthony			
Wolverton, to me personally known as the individual who executed the foregoing instrument, who acknowledged to				
me that the same was executed by him/her of his/her own free w	vill for the purposes therein set forth.			
(1) 1 DO 200				
CASTITUTE FROM				
(Notary Public)				
<u></u>	DEBRA L. RECTOR			
x Total of 4 forms are submitted.	Notary Public, Georgia			
14,17	Fayelte County My Commission Expires			
. y * 1	April 27, 2014			

PATENT

	former PTO/SB/15 (8-00) Modified LOLKSM
	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TRAUMA 3.0-675
Whereas, I. Jason Wainwright	of
222 Basin Creek Road; Thomaston, Georgia 30286	
hereafter referred to as assignor, have with others invented cert	ain new and useful improvements in
MULTIPLE COMPONENT BONE VOID FILLING IMP	LANT
x for which an application for a United States Letters Pate	ent was filed on April 27, 2012
Application Number <u>13/457,869</u>	
for which an application for a United States Letters Pater and	nt was executed by me on
Whereas, Howmedica Osteonics Corp. a corporation of New Jersey herein referred to as "assignee" wherein referred to as "assignee" wherein referred to a substitution of the corporation	el searche onlitem exor
325 Corporate Drive; Mahwah, New Jersey 07430	tose maning admoss is
is desirous of acquiring the entire right, title and Interest in the sa	ama:
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Stationvention and the aforesald utility patent application and all substitute or reissue applications and patents applied for or greather countries, for said invention, including without limitation a priority or benefit of the aforesaid utility application pursuant to priority or benefit and the Commissioner of Patents and Trader patents on said improvements or resulting therefrom to said therein; and the undersigned for me and my legal representative without further remuneration, to execute and deliver all original, for Letters Patent on said improvements and all assignments the said assignee or its representatives all facts known to the undersigned, to testify in any interferences or other legal proceed become involved, to sign all lawful papers, make all rightful or assignee, its successors, assigns and nominees to obtain pater expenses inclident to said applications to be borne and paid by said to hereby authorize my attorneys to insert on this deed the when known.	es of America and all other countries in and to said original, divisional, continuation, continuation-in-part, anted therefor in the United States of America and all applications and palents for said invention claiming any law or treaty, and including the right to claim such marks is hereby authorized and requested to issue all assignee herein, as assignee of the entire interest was, helrs and assigns do hereby agree and covenant divisional, continuation, reissue and other applications hereof to said assignee or its assigns, to communicate undersigned respecting said improvements, whenever things in which any of said applications or patents may aths, and to do generally everything necessary to ald int protection for said improvements in all countries, the said assignee.
16-MAY-2012	_ Q. iu _ Q _ Q
(Date)	(Signature)
State of <u>Creccio</u>) SS: County of <u>Fayette</u>	
On this \(\lambda_{\text{day}} \) day of \(\frac{\text{TO ay}}{\text{au}} \) a \(\text{day} \) before \(\text{Wainwright}, \) to me personally known as the individual who exeme that the same was executed by him/her of his/her own free was a second of the control of the co	re me personally came the above-named <u>Jason</u> cuted the foregoing instrument, who acknowledged to will for the purposes therein set forth.
(Notary Public)	
x *Total of 4 forms are submitted.	F
	Noticy Public, Georgia Fayette County My Commission Expires Aprili 27, 2014

PATENT