### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6363717

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
LEWIS MULLEN	08/04/2020
ROBERT CARTER	01/08/2020
MARC ESFORMES	08/07/2020
CHAU NGO	08/04/2020
RICHARD WOOD	01/16/2020

#### RECEIVING PARTY DATA

Name:	HOWMEDICA OSTEONICS CORP.
Street Address:	235 CORPORATE DRIVE
City:	MAHWAH
State/Country:	NEW JERSEY
Postal Code:	07430

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

Property Type	Number
Application Number:	16713282

### **CORRESPONDENCE DATA**

Fax Number: (908)654-7866

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: 9086545000

Email: Assignment@lernerdavid.com,

InformationSpecialists@lernerdavid.com

**Correspondent Name:** LERNER DAVID IP LAW Address Line 1: 20 COMMERCE DRIVE

Address Line 4: CRANFORD, NEW JERSEY 07016

ATTORNEY DOCKET NUMBER:	OSTEON.9564
NAME OF SUBMITTER:	LILIANA HAYES
SIGNATURE:	/Liliana Hayes/
DATE SIGNED:	10/22/2020

**Total Attachments: 5** 

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**PATENT** REEL: 054141 FRAME: 0265

506316968



PATENT REEL: 054141 FRAME: 0266

## COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

Attorney, Docket No.	OSTEONICS 3.0F-1071
Title of the Invention ("Invention")	Augmented, Just-in-Time, Patient-Specific Implant Manufacture
Legal Name of Inventor ("Inventor")	Lewis Mullen
Assignee ("Assignee")	Howmedica Osteonics Corp., having a place of business at 325 Corporate Drive; Mahwah, New Jersey 07430
	DECLARATION
As named inventor, I hereby declare t	nat:
	plication  plication Number or PCT International Application Number <u>16/713,282</u> ember 13, 2019
	Ilful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not
	<u>ASSIGNMENT</u>
	CLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing right, title and interest in the above-identified Application.
transfers and sets over to Assignee, countries, in and to the Invention and patents applied for or granted therefor and patents for the Invention claiming for the Protection of Intellectual Prope benefit from the priority of such applic same for its own use and the use of it Commissioner of Patents and Trader laws to issue patents are hereby author the entire interest therein; and the Assignee in any interferences or other legal propapers, make all rightful oaths, and protection for said improvements in all my attorneys to insert on this deed the I, as assignor, hereby assign to 62/779,603, filed December 14,	uable consideration, the receipt and adequacy of which are hereby acknowledged, Assignor hereby sells, assigns, and Assignee hereby accepts, the entire right, title and interest, for the United States of America and all other the Application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and in the United States of America and all other countries for the Invention, including without limitation all applications priority or benefit of the Application pursuant to any law or treaty, and all rights under any International Conventions and including the Paris Convention and the European Patent Convention and the corresponding rights to claim ations and including all claims for damages by reason of past infringement with the right to sue for and collect the successors, assigns and legal representatives, and including the right to claim such priority or benefit, and the narks and the Patent Office officials in foreign countries as are duly authorized by the respective foreign patent prized and requested to issue all patents on said improvements or resulting therefrom to Assignee, as assignee or its representatives all facts known to the undersigned respecting the Invention, whenever requested, to testify ceedings in which the Applications for Letters Patent on the Invention and all assignments thereof to Assignee or its or its representatives all facts known to the undersigned respecting the Invention, whenever requested, to testify ceedings in which the Application and any related applications or patents may become involved, to sign all lawful to do generally everything necessary to aid Assignee, its successors, assigns and nominees to obtain patent countries, the expenses incident to said applications to be borne and paid by Assignee. And I do hereby authorize a filing date and application number of said application when known.
04 August 2020	
(Date)	
According to 37 C.F.R. 1.63 (c), "[a] persapplication, including claims and is awar	<b>WARNING</b> son may not execute an oath or declaration unless the person has reviewed and understands the contents of the e of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."
State of	) SS:
County of	.)
On this of, individual who executed the fore own free will for the purposes the	before me personally came above-named Lewis Mullen, to me personally known as the going instrument, who acknowledged to me that the same was executed by him/her of his/her erein set forth.
Notary Public	

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

REEL: 054141 FRAME: 0267

# COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

Attorney, Docket No.	OSTEONICS 3,0F-1071	
Title of the Invention ("Invention")	Augmented, Just-in-Time, Patient-Specific Implant Manufacture	
Legal Name of Inventor	Detail Carles	
("Inventor") Assignee ("Assignee")	Robert Carter  Howmedica Osteonics Corp., having a place of business at 325 Corporate Drive; Mahwah, New Jersey 07430	
/ bolgnoo ( / bolgnoo )	· ·	
	DECLARATION	
As named inventor, I hereby declare that:  This declaration is directed to:  The attached Application  OR  United States Application Number or PCT International Application Number 16/713,282  filed on December 13, 2019		
more than five (5) years, or both.	ul false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not	
	ASSIGNMENT	
	ARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing ight, title and interest in the above-identified Application.	
countries, in and to the Invention and the patents applied for or granted therefor in and patents for the Invention claiming profession of Intellectual Proper benefit from the priority of such applicat same for its own use and the use of its Commissioner of Patents and Tradems laws to issue patents are hereby author the entire interest therein; and the Assignationation, continuation-in-part, reiss assigns, to communicate to Assignee of in any interferences or other legal procepapers, make all rightful oaths, and to protection for said improvements in all of	nd Assignee hereby accepts, the entire right, title and interest, for the United States of America and all other e Application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and in the United States of America and all other countries for the Invention, including without limitation all applications for the United States of America and all other countries for the Invention, including without limitation all applications fority or benefit of the Application pursuant to any law or treaty, and all rights under any International Conventions ty, including the Paris Convention and the European Patent Convention and the corresponding rights to claim itons and including all claims for damages by reason of past infringement with the right to sue for and collect the successors, assigns and legal representatives, and including the right to claim such priority or benefit, and the successors assigns and legal representatives, and including the right to claim such priority or benefit, and the successors despite the Patent Office officials in foreign countries as are duly authorized by the respective foreign patent ized and requested to issue all patents on said improvements or resulting therefrom to Assignee, as assignee of its ris representatives all facts known to the undersigned respecting the Invention, whenever requested, to testify sedings in which the Application and any related applications or patents may become involved, to sign all lawfulled ogenerally everything necessary to aid Assignee, its successors, assigns and nominees to obtain patent ountries, the expenses incident to said applications to be borne and paid by Assignee. And I do hereby authorize filling date and application number of said application when known.	
62/779,603, filed December 14, 2	aid assignee all of my right, title and interest in United States Provisional Application No. 018, and in the invention disclosed thereto in all countries of the world including the right to plication No. 62/779,603 pursuant to any law or treaty in the countries of the world.	
1/8/20 (Date)	Robert Carter	
	WARNING	
According to 37 C.F.R. 1.63 (c), "[a] person application, including claims and is aware	in may not execute an oath or declaration unless the person has reviewed and understands the contents of the of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."	
State of New York	) SS: ANIE A. BORGES	
County of Or (Linge)	NO. 01806273451 Qualified in Queens County May Commission Expires Mar 13, 2021	
On this for of Jan, 20 individual who executed the foregown free will for the purposes the	before me personally came above-named Robert Carter, to me personally known as the joing instrument, who acknowledged to me that the same was executed by him/her of his/her	
Optil Borges Notary Public		

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

## COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

Attorney, Docket No.	OSTEONICS 3.0F-1071	
Title of the Invention ("Invention")	Augmented, Just-in-Time, Patient-Specific Implant Manufacture	
Legal Name of Inventor ("Inventor")	Marc Esformes	
Assignee ("Assignee")	Howmedica Osteonics Corp., having a place of business at 325 Corporate Drive; Mahwah, New Jersey 07430	
	DECLARATION	
As named inventor, I hereby declare that:  This declaration is directed to:  The attached Application  OR  X United States Application Number or PCT International Application Number 16/713,282  filed on December 13, 2019  that I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not		
more than five (5) years, or both.	ASSIGNMENT	
	ARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing light, tille and interest in the above-identified Application.	
NOW. THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Assignor hereby sells, assigns, transfers and sets over to Assignee, and Assignee hereby accepts, the entire right, title and interest, for the United States of America and all other countries, in and to the Invention and the Application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries for the Invention, including without limitation all applications and patents for the Invention claiming priority or benefit of the Application pursuant to any law or treaty, and all rights under any International Conventions and patents for the Invention claiming priority or benefit of the Application pursuant to any law or treaty, and all rights under any International Conventions and patents for the Invention of Intellectual Property, including the Paris Convention and the European Patent Convention and the corresponding rights to claim benefit from the priority of such applications and including all claims for damages by reason of past infringement with the right to such applications and including all claims for damages by reason of past infringement with the right to claim such priority or benefit, and the Commissioner of Patents and Trademarks and the Patent Office officials in foreign countries as are duly authorized by the respective foreign patent laws to issue patents are hereby authorized and requested to issue all patents on said improvements or resulting therefrom to Assignee, as assignee of the entire interest therein; and the Assigner does hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, continuation, in-part, reissue and other applications for Letters Patent on the Invention and all assignments thereof to Assignee or its assigns, to communicate to Assignee or its representatives all fact		
8/// 2020 (Date)	Z	
According to 37 C.F.R. 1.53 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."		
State of	_) SS:	
County of)		
On this of,before me personally came above-named Marc Esformes , 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 will for the purposes therein set forth.		
Notary Public		

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

## COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

Attorney, D	ocket No.	OSTEONICS 3.0F-1071
Title of the	Invention ("invention")	Augmented, Just-in-Time, Patient-Specific Implant Manufacture
Legal Nam	e of Inventor ("Inventor")	Chau Ngo
Assignee	("Assignee")	Howmedica Osteonics Corp., having a place of business at 325 Corporate Drive; Mahwah, New Jersey 67430
		DECLARATION
As named	inventor, I hereby declar	that:
This deci	laration is directed to: The attached a OR X United States	pplication Application Number or PCT International Application Number <u>16/713,282</u> Dember 13, 2019
		willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not
		ASSIGNMENT
		ECLARATION, WHEREAS the Assignee is destrous of acquiring, or has acquired and is destrous of memorializing re right, title and interest in the above-identified Application.
countries, in patients appared patients appared for the Probenefit from same for it Commission laws to issue the entire it continuation assigns, to in any interpapers, mis protection in my attorners. It, as assis 62/779,66	in and to the invention are olied for or granted thereful is for the invention claiming tection of intellectual Promiting in the priority of such app is own use and the use of oner of Patients and Tradius patents are hereby au interest therein; and tradius in, continuation-in-part, re- communicate to Assignation for said improvements in yis to insert on this deed gnor, hereby assign to gnor, hereby assign to grity or benefit of said ority or benefit of said	In and Assignee hereby accepts, the entire right, title and interest, for the United States of America and all other of the Application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and principle of the United States of America and all other countries for the Invention, including without limitation all applications and priority or benefit of the Application pursuant to any law or treaty, and all rights under any International Conventions perty, including the Paris Convention and the European Patent Convention and the corresponding rights to claim teations and including all claims for damages by reason of past infringement with the right to sue for and collect the its successors, assigns and legal representatives, and including the right to claim such priority or benefit, and the perants and the Patent Office officials in foreign countries as are duly authorized by the respective foreign patent horized and requested to issue all patents on said improvements or resulting therefrom to Assignee, as assignee of assignor does hereby agree and covenant without further remuneration, to execute and deliver all original, divisional please and other applications for Letters Patent on the Invention and all assignments thereof to Assignee or its eor its representatives all facts known to the undersigned respecting the Invention, whenever requested, to testify occedings in which the Application and any related applications or patents may become involved, to sign all lawful to do generally everything necessary to ald Assignee, its successors, assigns and nominees to obtain patent all countries, the expenses incident to said applications to be borne and paid by Assignee. And I do hereby authorize the filing date and application number of said application when known.  Social Assignee all of my right, title and interest in United States Provisional Application No. Application No. 62/779,603 pursuant to any law or treaty in the countries of the world.
	4th August, 20	. • • • • • • • • • • • • • • • • • • •
According t	(Date) o 37 C.F.R. 1.63 (c), "[a] p including claims and is av	Chau Ngo  WARNING  It is a series of the person has reviewed and understands the contents of the large of the large of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."
State of _		) \$S:
County o	of	)
On thisindividual	of	before me personally came above-named Chau Ngo, to me personally known as the regoing instrument, who acknowledged to me that the same was executed by him/her of his/her
Notary Pr	ublic	

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

**REEL: 054141 FRAME: 0270** 

### COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

Assess Section No.	OSTEONICS 3.0F-1071	
Attorney, Docket No.  Title of the Invention ("Invention")	Augmented, Just-in-Time, Patient-Specific Implant Manufacture	
Legal Name of Inventor	Applination, obstant amount obstant interest and an amount obstant and an amount obstant and an amount obstant obstant and an amount obstant o	
('Inventor')	Richard Wood	
Assignee ('Assignee')	Howmedica Osteonics Corp., having a place of business at 325 Corporate Drive; Mahwah, New Jersey 07430	
	<u>DECLARATION</u>	
As named inventor, I hereby declare th		
This declaration is directed to:		
The attached App OR		
filed on <u>Dece</u>	olication Number or PCT International Application Number <u>16/713,282</u> mber 13, 2019	
that I hereby acknowledge that any wil	But talse statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not	
more than five (5) years, or both.		
	ASSIGNMENT	
IN ADDITION TO MAKING THIS DEC its acquisition further herein, my entire	LARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing right, title and interest in the above-identified Application.	
benefit from the priority of such applications are for its own use and the use of it. Commissioner of Patents and Trader laws to issue patents are hereby authorities the entire interest therein; and the Assignition, continuation-in-part, reliable assigns, to communicate to Assignee in any interferences or other legal propagers, make all rightful oaths, and protection for said improvements in all my attorneys to insert on this deed the	inty, including the Paris Convention and the European Patent Convention and the corresponding rights to claim ations and including all claims for damages by reason of past infringement with the right to sue for and collect the successors, assigns and legal representatives, and including the right to claim such priority or benefit, and the narks and the Patent Office officials in foreign countries as are duly authorized by the respective foreign patent patent or requested to issue all patents on said improvements or resulting therefrom to Assignee, as assignee or ignor does hereby agree and covenant without further remuneration, to execute and deliver all original, divisional issue and other applications for Letters Patent on the Invention and all assignments thereof to Assignee or its representatives all facts known to the undersigned respecting the Invention, whenever requested, to testify deedings in which the Application and any related applications or patents may become involved, to sign all lawfull to do generally everything necessary to aid Assignee, its successors, assigns and nominees to obtain patent countries, the expenses incident to said applications to be borne and paid by Assignee. And I do hereby authorized filling date and application number of said application when known.	
I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 62/779.603, filed December 14, 2018, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/779.603 pursuant to application to treaty in the countries of the world.		
01/16/2020		
(Date)	Richard Wood	
Appropriate 37 (1.5.8, 1.5.3 (n) "fail part	WARNING son may not execute an cath or declaration unless the person has reviewed and understands the contents of the	
application, including claims and is awar	e of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."	
State of NRM XRSeLA		
County of <u>BRAGE N</u>		
On this 10 of 300 2000 before me personally came above-named Richard Wood, to me personally known as the individual who executed the foregoing instrument who exhocuted by him/her of his/her own free will for the purposes therein set forth.  ASHLEY M. SALERNO NOTARY PUBLIC OF NEW JERSEY		
Notary Public	MY COMMISSION EXPIRES 7/31/20:3	

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

**RECORDED: 10/22/2020** 

PATENT

REEL: 054141 FRAME: 0271