506763166 07/13/2021 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6809983

SUBMISSION TYPE:			NEW ASSIGNMENT				
		ASSIGNMENT					
CONVEYING PARTY DA	ATA						
			Name	Execution Date			
CHRISTOPHER J. SUTCLIFFE			03/24/2005				
ERIC JONES				03/09/2005			
ROBIN STAMP				03/24/2005			
RECEIVING PARTY DA	ТА						
Name:	HOWM	EDIC	A OSTEONICS CORP.				
Street Address:	325 CO	RPO					
City:	MAHWA	٩H					
State/Country:	NEW JE	ERSE	Y				
Postal Code:	07430	'430					
PROPERTY NUMBERS	Total: 1						
Property Type			Number				
Application Number:	-	17176	6842				
CORRESPONDENCE D	ΑΤΑ						
Fax Number:		• •	654-7866				
			e-mail address first; if that is uns hat is unsuccessful, it will be sen				
- · · ·		654-5000					
Email:	()		nment@lernerdavid.com				
Correspondent Name:	L	LERN	IER, DAVID, LITTENBERG, KRUM	HOLZ & MENTLIK, LLP			
Address Line 1:			OMMERCE DR.				
Address Line 4:	(CRAN	NFORD, NEW JERSEY 07016				
ATTORNEY DOCKET NUMBER:			OSTEONICS 3.12-441 CCPCCC				
NAME OF SUBMITTER:			MELINDA C. CORMIER				
SIGNATURE:			/Melinda C. Cormier/				
DATE SIGNED:			07/13/2021				
Total Attachments: 3							
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source=2 - Inventors to HC	C#page	e3.tif					

	former PTO/SB/15 (8-00) Modified LDLK8		
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3.0-519		
Witherson L. Christophor I. Cutaliffe			
Whereas, I, <u>Christopher J. Sutcliffe</u> University of Liverpoot, Faculty of Engineering, Ashton B	of		
	<u>1041 EITEL (* 0001 200 0011</u>		
hereafter referred to as assignor, have with others invented certa	ain new and useful improvements in		
LASER-PRODUCED POROUS STRUCTURE			
X for which an application for a United States Letters Pate	ent was filed on December 30, 2004		
Application Number 11/027,421			
for which an application for a United States Letters Pater	nt was executed by me on		
for which an international Application was filed on	, as		
, designating the United			
And			
Whereas, Howmedica Osteonics Corp.			
a corporation of <u>New Jersey</u> herein referred to as "assignee" wh _325 Corporate Drive; Mahwah, New Jersey 07430	ose mailing address is		
is desirous of acquiring the entire right, title and interest in the sa	IMA'		
invention and the aforesald utility patent application and all of applications and patents applied for or granted therefor in the said Invention, including without limitation all applications and p the aforesaid utility application pursuant to any law or treaty, ar infringement with the right to sue for and collect the same for its legal representatives, and including the right to claim such prio Trademarks is hereby authorized and requested to issue all pa- said assignee herein, as assignee of the entire interest th representatives, heirs and assigns do hereby agree and covenal all original, divisional, continuation, reissue and other applicatio assignments thereof to said assignee or its assigns, to commu- known to the undersigned respecting said improvements, when legal proceedings in which any of said applications or patents r all rightful oaths, and to do generally everything necessary to al obtain patent protection for said improvements in all countries, t and paid by said assignee.	United States of America and all other countries, for atents for said invention claiming priority or benefit of ad including all claims for damages by reason of par- s own use and the use of its successors, assigns an ority or benefit and the Commissioner of Patents an itents on said improvements or resulting therefrom the refer; and the undersigned for me and my legant without further remuneration, to execute and deliver ons for Letters Patent on said improvements and a sicate to said assignee or its representatives all fact aver requested, to testify in any interferences or othe may become involved, to sign all lawful papers, mak id assignee, its successors, assigns and nominees the expenses incident to said applications to be born		
when known:			
24/3/05	Still.		
Date	Christopher J. Sutcliffe		
Witness Witness			
Typed Name of Witness			
X *Total of 3 forms are submitted,			
-515\			

PATENT REEL: 056838 FRAME: 0450

	former PTO/SB/15 (8-00) Modified LDLK&M
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
ASSIGNMENT OF OHEITTART LICATION	OSTEONICS 3.0-519
Whereas, I, Eric Jones	of
Ardiahan, Kildimo Co.; Limerick; IRELAND	
hereafter referred to as assignor, have with others invented certain	ain new and useful Improvements in
LASER-PRODUCED POROUS STRUCTURE	
X for which an application for a United States Letters Pate	ent was filed on December 30, 2004
Application Number 11/027,421	······
for which an application for a United States Letters Pater	nt was executed by me on
for which an International Application was filed on	, 26
, designating the United	
And	
Whereas, Howmedica Osteonics Corp.	
a corporation of <u>New Jersey</u> herein referred to as "assignee" wh	ose malling address is
325 Corporate Drive; Mahwah, New Jersey 07430	
is desirous of acquiring the entire right, title and interest in the sa	ame;
assignee my entire right, title and interest for the United Stat invention and the aforesaid utility patent application and all of applications and patents applied for or granted therefor in the said invention, including without limitation all applications and p the aforesaid utility application pursuant to any law or treaty, an infringement with the right to sue for and collect the same for lit legal representatives, and including the right to claim such prior Trademarks is hereby authorized and requested to issue all pa- said assignee herein, as assignee of the entire interest it representatives, helrs and assigns do hereby agree and covena all original, divisional, continuation, reissue and other applicati assignments thereof to said assignee or its assigns, to commu known to the undersigned respecting said improvements, when legal proceedings in which any of said applications or patents r all rightful eaths, and to do generally everything necessary to a obtain patent protection for said improvements in all countries, t and paid by said assignee.	original, divisional, continuation, substitute or reissue United States of America and all other countries, for patents for said invention claiming priority or benefit of nd including all claims for damages by reason of past is own use and the use of its successors, assigns and ority or benefit and the Commissioner of Patents and alerts on said improvements or resulting therefrom to herein; and the undersigned for me and my legal int without further remuneration, to execute and deliver ions for Letters Patent on said improvements and all nicate to said assignse or its representatives all facts ever requested, to testify in any interferences or other may become involved, to sign all lawful papers, make Id assignee, its successors, assigns and nominees to the expenses incident to said applications to be borne
when known.	\sim N
03/09/05	\sim
	Erio forma
Hab Halak Witness	
Jean M, Halat Typed Name of Witness	
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x *Total of 3 forms are submitted.	
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			Dookot hlum	bor (O-HI)		
ASSIGNME	ENT OF UTILITY APPLICATIO		Docket Number (Optional)			
			OSTEONICS 3.0-519			
Whereas, I, Ro	shin Stamp			of		
	Close; MANCHESTER; M14 5LY; UN		···· · ···	of		
	to as assignor, have with others invent		eful Improve	ments in		
	ODUCED POROUS STRUCTURE			······································		
	an application for a United States Lette on Number <u>11/027,421</u>	ers Patent was filed on	Decemb	per 30', 2004		
for which	an application for a United States Letter	rs Patent was executed	by me on	1		
for which	h an International Application was file	ed on		_ , as		
	, designating the	United States.				
And						
	vmedica Osteonics Corp.					
	New Jersey herein referred to as "assign	nee" whose mailing add	iress is			
*********	e Drive; Mahwah, New Jersey 07430					
is desirous of adq	ulring the entire right, tille and interest in	n me same;				
the aforesaid utilit infringement with legal representati- Trademarks is he said assignee ho representatives, h all original, divisio assignments there known to the unde legal proceedings all rightful oaths, a obtain patent prote and paid by said a	bluding without limitation all applications ty application pursuant to any law or fre- the right to sue for and collect the sam ves, and including the right to claim su- reby authorized and requested to issue crein, as assignee of the entire inte- eirs and assignee of the entire inte- eirs and assignee of the entire inte- eirs and assignee or its assigns, to calculate a solution of the entire and solutions assigned assignee to the assignments.	eaty, and including all the for its own use and uch priority or benefit a e all patents on said in erest therein; and that covenant without furthe pplications for Letters communicate to said a s, whenever requested,	claims for d the use of it and the Cor mprovement e undersign er remunerat Patent on s ssignee or it , to testify in	lamages by reason of pains a successors, assigns a number of Patents a number of Patents a los or resulting therefrom hed for me and my legition, to execute and delivisatid improvements and its representatives all fact any interferences or otherefree the set of th		
The run nereby a	In which any of said applications or pa and to do generally everything necessa ection for said improvements in all cour assignee.	ary to ald assignee, its ntries, the expenses in	successors cident to sa	assigns and nominees applications to be bon		
when known.	In which any of said applications or pa and to do generally everything necessa ection for said improvements in all court	ary to ald assignee, its ntries, the expenses in leed the filing date and	successors icident to sa application	assigns and nominees id applications to be bon number of said application		
when known.	In which any of said applications or pa and to do generally everything necessa ection for said improvements in all cour assignee.	ary to ald assignee, its ntries, the expenses in leed the filing date and	successors icident to sa application	assigns and nominees id applications to be bon number of said application		
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when known. ?	In which any of said applications or pa and to do generally everything necessa ection for said improvements in all cour issignee. uthorize my attorneys to insert on this d 	ary to ald assignee, its ntries, the expenses in leed the filing date and	successors icident to sa application	assigns and nominees id applications to be bon number of said application		

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RECORDED: 07/13/2021