## 504750420 01/29/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4797148

CONVEYING PARTY DATA           Name         Execution Di           AIGUO WANG         06/22/2010           AIGUO WANG         06/11/2010           ZONGTAO ZHANG         06/11/2010           DANIEL E. LAWRYNOWICZ         07/07/2010           SHI-SHEN YAU         06/10/2010           RECEIVING PARTY DATA         06/10/2010           Rame:         HOWMEDICA OSTEONICS CORP.           Street Address:         325 CORPORATE DRIVE           City:         MAHWAH           State/Country:         NEW JERSEY           Postal Code:         07430           PROPERTY NUMBERS Total: 1         Property Type           Property Type         Number           Application Number:         15879886           CORRESPONDENCE DATA         (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:         (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:         (908) 654-7866           Correspondence will be sent to the e-mail address first; of that is unsuccessful, it will be sent via US Mail.	SUBMISSION TYPE:		NEW ASSIGNMENT		
Name     Execution Dr.       AIGUO WANG     06/22/2010       ZONGTAO ZHANG     06/11/2010       DANIEL E. LAWRYNOWICZ     07/07/2010       SHI-SHEN YAU     06/10/2010       RECEIVING PARTY DATA     06/10/2010       Name:     HOWMEDICA OSTEONICS CORP.       Street Address:     325 CORPORATE DRIVE       City:     MAHWAH       State/Country:     NEW JERSEY       Postal Code:     07430       PROPERTY NUMBERS Total: 1     Property Type       PROPERTY NUMBERS Total: 1     Property Type       PROPERTY NUMBERS Total: 1     Intervent of 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:     (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:     (908) 654-5000       Email:     assignment@lemerdavid.com       Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.       Phone:     (908) 654-5000       Email:     assignment@lemerdavid.com       Correspondent Name:     LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP       Address Line 1:     600 SOUTH AVENUE WEST       Address Line 1:	NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
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## PATENT REEL: 044750 FRAME: 0792

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ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
ASSIGNMENT OF UNEITY AT EXAMPLE	OSTEONICS 3.0-769
	of
4 Greenbrier Ct.; Wayne, New Jersey 07470	
hereafter referred to as assignor, have with others invented certa	an new and useful improvements in
ORTHOPEDIC PAEK-ON-POLYMER BEARINGS	S
x for which an application for a United States Letters	Patent was filed onJune 3, 2010
Application Number 12/793,184	
for which an application for a United States Letters i and	Patent was executed by mc on
Whereas, Howmedica Osteonics Corp. a corporation of <u>New Jersey</u> herein referred to as "assignee" wh	ose maine address is
325 Corporate Drive; Mahwah, New Jersey 07430	
is destrous of acquiring the entire right, title and interest in the si	(3) faith (3)
NOW. THEREFORE, in consideration of the sum of <u>one</u> is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Sta- invention and the aforesaid utility patent application and al substitute or reissue opplications and patents applied for or g- other countries, for said invention, including without limitation priority or benefit of the aforesaid utility application pursuant optients on said improvements or resulting therefrom to said as- and the undersigned for me and my legal representatives, he further remuneration, to execute and deliver all original, divi- tetters Patent on said improvements and all assignments the said assignee or its representatives all facts known to the requested, to testify in any interferences or other legal procee- become involved, to sign all lawful papers, make all rightful assigned, its successors, assigns and nominees to obtain pate expenses incident to said applications to be borne and paid by s i, as assigner, hereby assign to said assignee all of my right. No., <u>61/217,776</u> , filed <u>June 4, 2009</u> , and in the invention disclos	The solution of the second sec
to claim priority or benefit of said Application No. <u>61/217,776</u> p And I do hereby authorize my attorneys to insert on this deed	dirsuant to any law or freaty in the countries of the trond.
when known.	0 11/1/2
6-22-2010	( ) ( ) C C C pp )
(Ďate)	/(Signature)
State of <u>(260) (C.C.S.C.4</u> ) SS:	
County of $\frac{1}{100} \frac{1}{6} $	
On this $22^{-1}$ day of <u>TUHA</u> <u>2010</u> before to me personally known as the individual who executed the t same was executed by him/her of his/her own free will for the p	foregoing instrument, who acknowledged to the trad the L
TNotary Public)	MICHELE SPARER 2
	(THE STARY PUBLIC OF NEW JERSEY
x *Total of 4 forms are submitted.	Commission Expires 12/2/2013
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	former (770858/15 (8.00) Modified LDLKSA
	Dacket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3.0-769
Whereas, I, Zongtao Zhang	of
hereafter referred to as assignor, have with others invented certain	
ORTHOPEDIC PAEK-ON-POLYMER BEARINGS	'
x for which an application for a United States Letters P	tentum Stort on Kung 3, 2010
; X) for which an application for a United States Letters P	nen was into on <u>BBR 3, 2010</u>
Application Number <u>12/793,184</u>	
for which an application for a United States Letters Par and	ent was executed by me on ,
Whereas, Howmedica Osteonics Corp.	
Whereas, Howmedica Osteonics Corp. a corporation of <u>New Jersey</u> herein referred to as "assignee" whos	e mailing address is
325 Corporate Crive, Mariwan, New Sersey, Or Hoo	
is desirous of acquiring the entire right, title and interest in the sam	
NOW, THEREFORF, in consideration of the sum of <u>ane</u> is acknowledged, and other good and valuable consideration, I i assignee my entire right, title and interest for the United States invention and the aforesaid utility patent application and all o substitute or reissue applications and patents applied for or gran other countries, for said invontion, including without limitation all	a of America and all other countries in and to said inginal, divisional, continuation, continuation-in-part, sted therefor in the United States of America and all
priority or benefit of the aforesaid utility application pursuant to all priority or benefit and the Commissioner of Patents and Tradem patents on said improvements or resulting therefrom to said assigned for me and my legal representatives, heirs further remuneration, to execute and deliver all original, division Letters Patent on said improvements and all assignments thereor said assignee or its representatives all facts known to the un requested, to testify in any interferences or other legal proceedin become involved, to sign all lawful papers, make all rightful oat assignee, its successors, assigns and nominees to obtain patent expenses incident to said applications to be borne and paid by said 1, as assignor, hereby assign to sold assignee all of my right, tille No <u>61/217,776</u> , filed <u>June 4, 2009</u> , and in the invention disclosed to claim priority or benefit of said Application No. <u>61/217,776</u> purs	hy law or treaty, and including the right to drain such arks is hereby authorized and requested to issue all nee herein, as assignee of the ontire interest therein, and assigns do hereby agree and covenant without nal, continuation, reissue and other applications for it to said assignee or its assigns, to communicate to dersigned respecting said improvements, whenever tigs in which any of said applications or patents may hs, and to do generally overything necessary to aid protection for said improvements in all countries, the dissignee.
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	towner PTOp3(I/15 (6-00) Monifed LDs.KA) Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3.0-769
Whereas, I. Daniel E. Lawrynowicz	çſ
96 Ratphie Lane: Monroe, New York 10950	
hereafter referred to as assigner, have with others invented certain n	ew and useful improvements in
ORTHOPEDIC PAEK-ON-POLYMER BEARINGS	
<b>x</b> for which an application for a United States Letters Patr	ent was filed on June 3, 2010
Application Number 12/793,184	N9/101/10
for which an application for a United States Letters Pater and	nt was executed by me on
Whereas, <u>iHowmedica Osteonics Corp.</u> a corporation of <u>New Jersev</u> herein referred to as "assignee" whose	and the address is
	maning address is
is desirous of acquiring the entire right, title and interest in the same;	
In over, the processing and statistication with a matrix of the second events and the second events of the second events of the second events of the second events of the second events and the second events of the second events and the undersigned for the and my legal representatives, here a lutther remuneration, to execute and deliver all orginal, division events and assignee or its representatives all facts known to the under requested, to testify in any interferences of other legal proceeding become involved, to sign all tawful papers, make all rightful calmed exponses incident to said applications to be borne and paid by said a 1, as assigner, hereby assign to said assignee all of my right, title and the second events events are all of my right, the second events of the second event events of the second events of the second event event events of the second event event event events of the second event event event event e	of America and all other countries in and to solid ginal, divisional, continuation, continuation-in-part, id therefor in the United States of America and all oplications and patents for said invention claiming law or treaty, and including the right to claim such its is hereby authorized and requested to issue all exherein, as assignee of the online interest therein; and assigns do hereby agree and covenant without it, continuation, release and other applications for to said assignee or its assigns, to communicate to resigned respecting said improvements, whenever is in which any of said applications or patents may , and to do generally everything necessary to aid indication for said improvements in all countries, the assignee.
No. <u>61/217.776, filed sune 4, 2009</u> , and in the invention disclosed the to claim priority or benefit of said Application No. <u>61/217.776</u> pursua	tereto in all countries of the world including the right ant to any law or treaty in the countries of the world
And I do hereby authorize my attorneys to insert on this dead the $\hbar$ when known.	ling date and application number of said application
$\frac{-2/2/10}{(\text{Date})}$	U. (Signature)
State of Sec. Sec. (Sec. ) SS:	
County of <u>Registered</u> )	
On this <u>The</u> day of <u>Just</u> <u>2010</u> before me <u>Lawrynowicz</u> , to me personally known as the individual who execu- me that the same was excepted by himmer of his/her own free will to MICHELE SPAR	or the purposes therein set forth.
(Noter FUELIC OF NEW	NJERSEY 2
Commission Expires 1	2/2/2013
X Total of 4 form the submitted.	mm

	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3.0-769
Vhereas I, Shi-Shen Yau	to
22 Baldwin Drive; Berkeley Heights, New Jersey 07922	
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x for which an application for a United States Letters Pate	nt was filed on June 3, 2010
Application Number 12/793,184	
for which an application for a United States Letters Patent and	was executed by me on
Whereas         How medica Osteonics Corp.           a corporation of <u>New Jercey</u> herein referred to as "assignee" whose more 325 Corporate Drive; Mahwah, New Jersey 07430           is desirous of acquiring the ontire right, title and interest in the same.	nailing address is
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RECORDED: 07/29/201180