502675245 02/11/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2721852

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AIGUO WANG	09/21/2004
JOHN H. DUMBLETON	09/29/2004
AARON ESSNER	09/21/2004
SHI-SHEN YAU	09/21/2004

RECEIVING PARTY DATA

Name:	HOWMEDICA OSTEONICS CORP.	
Street Address:	325 CORPORATE DRIVE	
City:	MAHWAH	
State/Country:	NEW JERSEY	
Postal Code:	07430	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14174035

CORRESPONDENCE DATA

 Fax Number:
 (908)654-7866

 Phone:
 (908) 518-6318

 Email:
 Assignment@ldlkm.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: LDLK&M

Address Line 1: 600 SOUTH AVENUE WEST
Address Line 4: WESTFIELD, NEW JERSEY 07090

	PATENT	
Signature:	/Raymond W. Augustin/	
NAME OF SUBMITTER:	RAYMOND W. AUGUSTIN	
ATTORNEY DOCKET NUMBER:	OSTEONICS 3.0-425 CCCCCC	

502675245 REEL: 032192 FRAME: 0449

Date:	02/11/2014
Total Attachments: 4 source=OSTEONICS 3.0-425 CCCCCC() A source=OSTEONICS 3.0-425 CCCCCC() A source=OSTEONICS 3.0-425 CCCCCC() A source=OSTEONICS 3.0-425 CCCCCC() A	ssignments#page2.tif ssignments#page3.tif

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former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION OSTEONICS 3.0-425 CONT Whereas, I. Aiguo Wang 4 Greenbrier Ct.; Wayne, New Jersey 07470 hereafter referred to as assignor, have with others invented certain new and useful improvements in SEQUENTIALLY CROSS-LINKED POLYETHYLENE X: for which an application for a United States Letters Patent was filed on October 4, 2004 10/957,782 Application Number for which an application for a United States Letters Patent was executed by me on Howmedica Osteonics Corp. a corporation of New Jersey herein referred to as "assignee" whose mailing address is 325 Corporate Drive; Mahwah, New Jersey 07430 is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all a lications and patents for said in lation claiming priority or benefit of the aforesaid utility application pursual. lo any law or treaty, and including the right to claim such priority or benefit and the Commissioner of P lents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, 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 thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee. I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No.. 60/386,660, filed June 6, 2002, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/386,660 pursuant to any law or treaty in the countries of the world.

JEAN M. HALAT NOTARY PUBLIC OF NEW JESSEY

(Witness)

forms are submitted.

Commission Expires 2/19/2009

*Total of

former PTO/SB/15 (8-00) Modified LDLK8M

A ACCERBREIT AF LITH ITM ATTRI IA STICKI	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3.0-425 CONT	
Whereas, I, John H. Dumbleton of		
512 E. Saddle River Road; Ridgewood, New Jersey 07450		
hereafter referred to as assignor, have with others invented cert	ain new and useful improvements in	
SEQUENTIALLY CROSS-LINKED POLYETHYLENE		
for which an application for a United States Letters Patent was filed on October 4, 2004 Application Number 10/957, 782		
for which an application for a United States Letters Patent was executed by me on and		
Whereas, Howmedica Osteonics Corp.		
a corporation of New Jersey herein referred to as "assignee" wi	hose mailing address is	
325 Corporate Drive; Mahwah, New Jersey 07430 is desirous of acquiring the entire right, title and interest in the s.	ame'	
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesald utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said 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 Petents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, 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 thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any Interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to ald assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.		
I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No 60/386,660, filed June 6, 2002, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/386,660 pursuant to any law or treaty in the countries of the world.		
1	John H. Dundleton	
(Date): John H. Dumbleton CHARLENE SEQUEA (Signature)		
Charlene de que a NOTARY PUBLIC OF NEW JERSEY (Witness) Commission Explies 4/25/2007		
STatel of d farms are cultraited		

LD-530\

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former PTO/SB/15 (8-00) Modified LDLK&M

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3.0-425 CONT	
Whereas, I, Aaron Essner	of .	
30 Vreeland Avenue; Bloomingdale, New Jersey 07403		
hereafter referred to as assignor, have with others invented cert	tain new and useful Improvements in	
SEQUENTIALLY CROSS-LINKED POLYETHYLEN		
for which an application for a United States Letters Pa Application Number 10/957, 782		
for which an application for a United States Letters Pate and	ent was executed by me on,	
Whereas, Howmedica Osteonics Corp.		
a corporation of New Jersey herein referred to as "assignee" w	hose mailing address is	
325 Corporate Drive; Mahwah, New Jersey 07430		
is desirous of acquiring the entire right, title and interest in the s NOW, THEREFORE, in consideration of the sum of one	dollars (\$ 1.00), the receipt whereof	
is acknowledged, and other good and valuable consideration, I said assignee my entire right, title and interest for the United S to said invention and the aforesaid utility patent application and or reissue applications and patents applied for or granted there countries, for said invention, including without limitation air application to be be said invention, including without limitation air application pursurant claim such priority or benefit and the Commissioner of sater requested to issue all patents on said improvements or reassignee of the entire interest therein; and the undersigned f assigns do hereby agree and covenant without further rem divisional, continuation, reissue and other applications for I assignments thereof to said assignee or its assigns, to communifacts known to the undersigned respecting said improvem interferences or other legal proceedings in which any of said a sign all lawful papers, make all rightful oaths, and to do gene successors, assigns and nominees to obtain patent protection expenses incident to said applications to be borne and paid by	States of America and all other countries in and d all original, divisional, continuation, substitute for in the United States of America and all other ilications and patents for said impention claiming to any law or treaty, and including the right to ints and Trademarks is hereby authorized and sulting therefrom to said assignee herein, as for me and my legal representatives, heirs and uneration, to execute and deliver all original, Letters Patent on said improvements and all nicate to said assignee or its representatives all nents, whenever requested, to testify in any pplications or patents may become involved, to erally everything necessary to aid assignee, its on for said improvements in all countries, the said assignee.	
l, as assignor, hereby assign to said assignee all of my right Application No, filed June 6, 200 countries of the world including the right to claim p pursuant to any law or treaty in the	02, and in the invention disclosed thereto in all priority or benefit of said Application No.	
9/21/211	111/1	
	Aaron Essner	
(Date) Aaron Essner (Signature)		
Drexor Halar		
(Witness)		
Y Total of 4 forms are submitted,		

JEAN M. HALAT NOTARY PUBLIC OF NEW JERSEY Commission Expires 2/19/2009

	former PTO/SB/15 (8-00) Modified L		
	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3.0-425 CONT		
Whereas, I, Shi-Shen Yau	of		
22 Baldwin Drive; Berkeley Heights, New Jersey 07922			
hereafter referred to as assignor, have with others invented cert	ain new and useful improvements in		
SEQUENTIALLY CROSS-LINKED POLYETHYLENE			
X for which an application for a United States Letters Pa Application Number 10/957,782	tent was filed on October 4, 2004		
for which an application for a United States Letters Pate and	nt was executed by me on,		
Whereas, Howmedica Osteonics Corp.			
a corporation of New Jersey herein referred to as "assignee" w	hose mailing address is		
325 Corporate Drive; Mahwah, New Jersey 07430			
is desirous of acquiring the entire right, title and interest in the s	ame;		
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, I said assignee my entire right, title and interest for the United S to said invention and the aforesaid utility patent application and or reissue applications and patents applied for or granted the countries, for said invention, including without limitation all application benefit of the aforesaid utility application pursuant to claim such priority or benefit and the Commissioner of Pater requested to issue all patents on said improvements or resussignee of the entire interest therein; and the undersigned fassignee of the entire interest therein; and the undersigned fassignments thereof to said assignee or its assigns, to communifacts known to the undersigned respecting said improvem interferences or other legal proceedings in which any of said assign all lawful papers, make all rightful oaths, and to do gene successors, assigns and nominees to obtain patent protectic expenses incident to said applications to be borne and paid by	tates of America and all other countries in and all original, divisional, continuation, substitute for in the United States of America and all other ications and patents for said invention claiming to any law or treaty, and including the right to any law or treaty, and including the right to ask and Trademarks is hereby authorized and sulting therefrom to said assignee herein, as or me and my legal representatives, heirs and uneration, to execute and deliver all original, etters Patent on said improvements and all include to said assignee or its representatives all ents,—whenever—requested,—to—testify in any oplications or patents may become involved, to rally everything necessary to aid assignee, its on for said improvements in all countries, the said assignee.		
I, as assignor, hereby assign to said assignee all of my right Application No 60/386.660, filed June 6. 2002, and in the invworld including the right to claim priority or benefit of said App treaty in the countries of the world.	ention disclosed thereto in all countries of the 1		
9/21/04 (Date)	Shi-Shen Yau		
(Signature)			
(Witness)			
X *Total of 4 forms are submitted.			

JEAN M. HALAT NOTARY PUBLIC OF NEW JERSEY Commission Expires 2/19/2009

> **PATENT REEL: 032192 FRAME: 0454**

RECORDED: 02/11/2014