PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5555984

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| AIGUO WANG | 03/11/2014 |
| MATTHEW P. POGGIE | 03/10/2014 |
| NICHOLAS NAI GUANG DONG | 03/11/2014 |

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: | 16429807 |

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

LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP **Correspondent Name:**

Address Line 1: 600 SOUTH AVE W

Address Line 4: WESTFIELD, NEW JERSEY 07090

| ATTORNEY DOCKET NUMBER: | OSTEON.9482 |
|-------------------------|----------------|
| NAME OF SUBMITTER: | JACLYN RICCI |
| SIGNATURE: | /JACLYN RICCI/ |
| DATE SIGNED: | 06/05/2019 |

Total Attachments: 3

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> **PATENT REEL: 049375 FRAME: 0079**

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| Whereas, I, Aiguo Wang | A CONTRACTOR OF THE RESERVE OF THE PARTY OF | |
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| | OSTEONICS 3.0-825 | |
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| 4 Greenbrier Court: Wayne, New Jersey 07470 | | |
| hersafter referred to as assignor, have with others invented certain | oi eteorogrami liĝoso has wen ni | |
| PARTIALLY POROUS BONE IMPLANT KEEL | and social improvements in | |
| X for which an application for a United States Letters Pate Application Number 13/788,442 | nt was filed on March 7, 2013 | |
| for which an application for a United States Letters Paten | t was executed by me on | |
| for which an International Application was filed on | as | |
| , designating the United | | |
| And | waxa, | |
| Whereas, Howmedica Osteonics Corp. | | |
| a corporation of New Jersey herein referred to as "assignee" who | se mailing address is | |
| 325 Corporate Drive; Mahwah, New Jersey 07430 | | |
| s desirous of acquiring the entire right, title and interest in the sar | ne; | |
| invention and the aforesaid utility patent application and all on applications and patents applied for or granted therefor in the Linaid invention, including without limitation all applications and patents aforesaid utility application pursuent to any law or treaty, and infringement with the right to sue for and collect the same for its again representatives, and including the right to claim such priorifications is hereby authorized and requested to issue all patents aid assigned because in a second or such processes. | Inited States of America and all other countries, for tents for said invention claiming priority or benefit of I including all claims for damages by reason of par- own use and the use of its successors, assigns and the or benefit and the Countries of the countries. | |
| appresentatives, heirs and assigns do hereby agree and covenant ill original, divisional, continuation, reissue and other application ssignments thereof to said assignee or its assigns, to communication nown to the undersigned respecting said improvements, whenever aget proceedings in which any of said applications or patents may ill rightful paths, and to do generally everything necessary to aid totain patent protection for said improvements in all countries, the and paid by said assignee. | ents on said improvements or resulting therefrom to prein; and the undersigned for me and my legal without further remuneration, to execute and delive me for Letters Patent on said improvements and all cate to said assignee or its representatives all facts are requested, to testify in any interferences or othe ay become involved, to sign all lawful papers, make assignee, its successors, assigns and nominees to a expenses incident to said applications to be borne | |
| appresentatives, heirs and assigns to hereby agree and covenant ill original, divisional, continuation, reissue and other application ssignments thereof to said assignee or its assigns, to communitation to the undersigned respecting said improvements, whenevegal proceedings in which any of said applications or patents mail rightful paths, and to do generally everything necessary to aid brain patent protection for said improvements in all countries, the | ents on said improvements or resulting therefrom to prein; and the undersigned for me and my legal without further remuneration, to execute and delive me for Letters Patent on said improvements and all cate to said assignee or its representatives all facts are requested, to testify in any interferences or othe ay become involved, to sign all lawful papers, make assignee, its successors, assigns and nominees to a expenses incident to said applications to be borne | |
| appresentatives, heirs and assigned on the entire interest the appresentatives, heirs and assigned to hereby agree and covenant II original, divisional, continuation, reissue and other application assignments thereof to said assignee or its assigns, to community nown to the undersigned respecting said improvements, whenevegal proceedings in which any of said applications or patents may it rightful oaths, and to do generally everything necessary to aid brain patent protection for said improvements in all countries, the not paid by said assignee. Ind I do hereby authorize my attorneys to insert on this deed the feature of the said in t | ents on said improvements or resulting therefrom to prein; and the undersigned for me and my legal without further remuneration, to execute and delive as for Letters Patent on said improvements and a cate to said assignee or its representatives all fact for requested, to testify in any interferences or other ay become involved, to sign all lawful papers, make assignee, its successors, assigns and nominees to a expenses incident to said applications to be borned. | |

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

| | Docket Number (Optional) | | | | |
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| ASSIGNMENT OF UTILITY APPLICATION | OSTEONICS 3.0-825 | | | | |
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| Whereas, I, Matthew P. Poggie | | | | | |
| 545 Park Street; Montclair, New Jersey 07043 | | | | | |
| hereafter referred to as assignor, have with others invented certa | ain new and useful improvements in | | | | |
| PARTIALLY POROUS BONE IMPLANT KEEL | | | | | |
| x for which an application for a United States Letters Pate | ent was filed on March 7, 2013 | | | | |
| Application Number 13/788,442 | | | | | |
| for which an application for a United States Letters Pater | nt was executed by me on, | | | | |
| ลกป | | | | | |
| | | | | | |
| Whereas, Howmedica Osteonics Corp. | | | | | |
| a corporation of New Jersey herein referred to as "assignee" wh | ose mailing address is | | | | |
| 325 Corporate Drive; Mahwah, New Jersey 07430 | | | | | |
| is desirous of acquiring the entire right, title and interest in the sa | ime; | | | | |
| 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 assigner 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, 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 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 Patents 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. | | | | | |
| And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. (Date) (Signature) | | | | | |
| State of <u>New Sersey</u>) SS: County of <u>Reloger</u>) | | | | | |
| On this 10 day of 10 day o | | | | | |
| ASLOY M Swarson (Notary Public) | | | | | |
| <u></u> | | | | | |

x *Total ASHILEV W. ISANEBAND bmitted.

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My Commission Expires 7/94/2018

former PTC/SB/15 (8-00) Modified LDLKZM

| ACCIONINGENIT OF HITH ITV ADDI (OATION) | Docket Number (Optional) | | | |
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| ASSIGNMENT OF UTILITY APPLICATION | OSTEONICS 3.0-825 | | | |
| | | | | |
| Whereas, t. Nicholas Nai Guang Dong of | | | | |
| 46 Donato Drive; Little Falls, New Jersey 07424 | | | | |
| hereafter referred to as assignor, have with others invented certa | ain new and useful improvements in | | | |
| PARTIALLY POROUS BONE IMPLANT KEEL | | | | |
| x for which an application for a United States Letters Patent was filed on March 7, 2013 | | | | |
| Application Number 13/788,442 | | | | |
| 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 | States. | | | |
| And | | | | |
| Whereas, Howmedica Osteonics Corp. | | | | |
| a corporation of New Jersey herein referred to as "assignee" wh | ose mailing address is | | | |
| 325 Corporate Drive; Mahwah, New Jersey 07430 is desirous of acquiring the entire right, title and interest in the sa | | | | |
| is desirous or acquiring the entire right, line and interest in the sa | ine, | | | |
| 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 applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents 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 I do hereby authorize my attorneys to insert o | | | | |
| when known, $\frac{3/11/2444}{2}$ | Edules His Comey Day | | | |
| Date Date | Nicholas Nai Guang Dong | | | |
| Aly 1 Salar | | | | |
| ASFILE U MSG leeus Typed Name of Witness | | | | |
| x *Total of 2 forms are submitted. | | | | |
| 3)-515 | | | | |

PATENT REEL: 049325 FRAME: 0482