PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5991981

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| FARSHID ALAMBEIGI | 02/16/2018 |
| SHAHRIAR SEFATI | 03/05/2018 |
| RYAN MURPHY | 01/30/2018 |
| MEHRAN ARMAND | 02/10/2018 |
| CHAD R. GORDON | 02/15/2018 |
| SHUYA LIU | 02/15/2018 |

RECEIVING PARTY DATA

| Name: | THE JOHN HOPKINS UNIVERSITY |
|-----------------|-----------------------------|
| Street Address: | 3400 N. CHARLES STREET |
| City: | BALTIMORE |
| State/Country: | MARYLAND |
| Postal Code: | 21218 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16806935 |

CORRESPONDENCE DATA

Fax Number:

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.

Email: docketing@mh2law.com, nhernandez@mh2law.com

Correspondent Name: MH2 TECHNOLOGY LAW GROUP LLP

Address Line 1: 1951 KIDWELL DRIVE

Address Line 2: SUITE 310

Address Line 4: TYSONS CORNER, VIRGINIA 22182

| ATTORNEY DOCKET NUMBER: | 0184.0026-CON |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | NATALY HERNANDEZ |
| SIGNATURE: | /NATALY HERNANDEZ/ |
| DATE SIGNED: | 03/02/2020 |

Total Attachments: 8

PATENT REEL: 051984 FRAME: 0258

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ATTORNEY DOCKET NO.: 0184-0026-US JHU REF: C13484_P13484-03

F.A . 216928 Faishid ASSIGNMENT

WHEREAS, WE, Farshi ALAMBEIGI, Shahriar SEFATI, Ryan MURPHY, Mchran ARMAND, Chad R. GORDON and Shuya LIU is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled:

A CUTTING MACHINE FOR RESIZING RAW IMPLANTS DURING SURGERY

(the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which

| Application: | | | | | |
|---------------------|---------------------------|----------------|----------------|----------------|-----------------|
| | | | | | |
| rm | | | | | |
| is being | executed concurrentl | y nerewith, | | | |
| Tayan firmt | executed on | | | | |
| | | | | | |
| ∭ was filed | on May 23, 2017 as | Application N | umber 15/529, | 042, which is | a U.S. National |
| Stage Application o | f PCT/US2015/062: | SI6 filed on N | ovember 24, 20 |)15, which cla | ums the benefit |
| | Application No. 62/ | | | | |

AND, WHEREAS, **The Johns Hopkins University**, having a place of business located at **3400 N. Charles Street**, **Baltimore**, **Maryland 21218** (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to said Invention(s) and under said Application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said Invention(s), said Application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said Application or in whole or in part on said Invention(s), any foreign applications, including international and regional applications, including the right to file applications and obtain patents under the terms of the International Convention of Paris (1883) as amended, and of the European Patent Convention, based in whole or in part on any of the aforesaid Application or in whole or in part on said Invention(s), and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid Application or on said Invention(s) or any parts thereof;

AND WE hereby authorize and request our agents, MH2 Technology Law Group LLP, whose address is 1951 Kidwell Drive, Suite 550, Tysons Corner, VA 22182, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

AND WE hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced Application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE

PATENT

REEL: 051984 FRAME: 0260

AND WE hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that we have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND WE do hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent which may be granted upon said Application, or upon said Invention(s) or any parts thereof when granted, to said ASSIGNEE.

| o ² /16/ Zø18 | Fred Andrew | |
|--------------------------|---|---|
| Date | Forsiti ALAMBEIGI Farsh.d .2/16/2018 | |
| Date | Shahriar SEFATI | • |
| Date | Ryan MURPHY | • |
| Date | Mehran ARMAND | |
|)ate | Chad R. GORDON | ~ |
| Date | Shuva LIU | |

PATENT

REEL: 051984 FRAME: 0261

ASSIGNMENT

WHEREAS, WE, Farshi ALAMBEIGI, Shahriar SEFATI, Ryan MURPHY, Mehran ARMAND, Chad R. GORDON and Shuya LIU is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled:

A CUTTING MACHINE FOR RESIZING RAW IMPLANTS DURING SURGERY

| (the App | "Applicat lication: | tion") for | invention | s disclose | d or o | claimed | therein | (the | "Invention(s) | "), | which |
|-------------|------------------------|------------------------|------------|-------------|--------|---------|---------|--------|---------------|------|--------|
| 8 | | | uted concu | rrently her | ewith, | | | | | | |
| ~ | ⊠ was | first exec filed or | 1 May 23, | 2017 as . | Applic | ation N | umber 1 | 15/529 |),042, which | ís í | ı U.S. |
| | | | ion of PC. | | | | | | 24, 2015, whi | ch (| claims |

AND, WHEREAS, The Johns Hopkins University, having a place of business located at 3400 N. Charles Street, Baltimore, Maryland 21218 (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to said Invention(s) and under said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said Invention(s), said Application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said Application or in whole or in part on said Invention(s), any foreign applications, including international and regional applications, including the right to file applications and obtain patents under the terms of the International Convention of Paris (1883) as amended, and of the European Patent Convention, based in whole or in part on any of the aforesaid Application or in whole or in part on said Invention(s), and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid Application or on said Invention(s) or any parts thereof;

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AND WE hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that we have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

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| Date | 200000000000000 | Farshi ALAMBEIGI | |
| | 05,2018 | | |
| Date | | Shahrjar SEFATI | *************************************** |
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| Date | *************************************** | Ryan MURPHY | *************************************** |
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| Date | | Mehran ARMAND | moinim |
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| Date | | Chad R. GORDON | *************************************** |
| | | | |
| Date | | Shuya LIU | |

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| Date | Farshi ALAMBEIGI |
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| Date | Shahriar SEFATI |
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| Date | Mehran ARMAND |
| Date | Chad R. GORDON |
| Date | Shuya LIU |

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| Date | Farshi ALAMBEIGI | ****** |
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| Date | Shahriar SEFATI | ************************************** |
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| Date | Ryan MURPHY | |
| 2/10/2018 | | |
| Date | Mehran ARMAND | |
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| Date | Chad R. GORDON | enenciae : |
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| Date | Shuya LIU | |

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| Date | Farshi ALAMBEIGI | |
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| Date | Shahriar SEFATI | |
| Date | Ryan MURPHY | |
| Date | Mehran ARMAND | |
| 2/15/18 Daty | ZCinal R. GOKDON | 8 : |
| Date | Shuya LIU | |

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| Date | Farshi ALAMBEIGI |
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| Date | Shahrier SEFATI |
| Date | Ryan MURPHY |
| Dete | Mehran ARMAND |
| Date | Chad R. GORDON |
| -2/15/2918 Date | Shuya LIU |

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