PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3103628

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| CHIN-WOOK CHUNG | 10/01/2014 |
| JIN-YOUNG BANG | 10/31/2014 |
| HEE-JIN LEE | 11/06/2014 |

RECEIVING PARTY DATA

| Name: | INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY | |
|-----------------|---|--|
| Street Address: | 17, HAENGDANG-DONG, SEONGDONG-GU | |
| City: | SEOUL | |
| State/Country: | KOREA, REPUBLIC OF | |
| Postal Code: | 133-070 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14400306 |

CORRESPONDENCE DATA

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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.

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AMPACC LAW GROUP, PLLC **Correspondent Name:**

6100 219TH ST. SW Address Line 1:

Address Line 2: **SUITE 580**

Address Line 4: MOUNTLAKE TERRACE, WASHINGTON 98043

| ATTORNEY DOCKET NUMBER: K297SE-001500US | |
|---|--------------|
| NAME OF SUBMITTER: | STEVE Y. CHO |
| SIGNATURE: /Steve Y. Cho/ | |
| DATE SIGNED: | 11/11/2014 |

Total Attachments: 3

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REEL: 034149 FRAME: 0007

PATENT

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Attentes Decisione (K.2078) 400 (800) 8 Charles being an (SPO) 400 (808) 8

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, the below named individual six hereinafter referred to as: "Assignors," are the inventor(s) of the invention described and set forth in the below-identified application for finited States Letters Pagent.

The of Invention PLASMA EQUIPMENT

Filing Date November 10, 2014

Application No. 14/400,306

WHEREAS, Industry-University Cooperation Foundation Hanyang University, located at 17. Huengdang-dong Seongdong gu, Seoul, 13-070 Republic of Korea, hereinafter referred to as "ASSIGNEE" is desirous of acquiring ASSIGNORS' interest to the said invention and application and in any U.S. Letters Patent which may be granted on the same.

NOW THEREFORE TO ALL WIJOM IT MAY CONCERN. Be it known that, for good and valuable consideration receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer into the said. Assignees, and Assignees, successors and assigns, all their right, title and interest in and to the said invention and application including any corresponding foreign application, and in and to any Letters. Patent which may hereafter be granted on the same in the United States and any corresponding foreign application, the said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this Assignment and transfer not been made to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, early, acknowledge and deliver all such further papers, including applications for Letters Patent and for the ressule thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to yest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request AMPACC Law Group, PLLC. 6100 219^a.

Street SW. Suite 580, Mountlake Terrace, WA 98043, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated

2 9 / 4 - 0 / 1

Date Name: Chin Wook CHUNG

Date Name: Jin-Young BANG

Date Name: Hee-Jin LEE

Attorney Docket No.: K297SE-001500US Client Reference No.: SPO13-0108US

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, the below named individual(s), hereinafter referred to as "Assignors," are the inventor(s) of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

PLASMA EQUIPMENT

Filing Date:

November 10, 2014

Application No.:

14/400,306

WHEREAS, Industry-University Cooperation Foundation Hanyang University, located at 17, Haengdang-dong, Seongdong-gu, Seoul, 133-070 Republic of Korca, hereinafter referred to as "ASSIGNEE," is desirous of acquiring ASSIGNORS' interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignees' successors and assigns, all their right, title and interest in and to the said invention and application including any corresponding foreign application, and in and to any Letters Patent which may hereafter be granted on the same in the United States and any corresponding foreign application, the said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request AMPACC Law Group, PLLC, 6100 219th Street SW, Suite 580, Mountlake Terrace, WA 98043, to insert herein above the application number and filing date of said application when known.

| indicated. | IN TESTIMONY WHEREOF, Assignors have signed their names on the dates | | |
|------------|--|-----------------------|--|
| Date: | | Name: Chin-Wook CHUNG | |
| Date: | | Name: Jin-Young BANG | |
| Date: 7 | «14. /. 6 | Name: Hee-Jin LEE | |

Attorney Docket No.: K297SE-001500US Client Reference No.: SPO13-0108US

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, the below named individual(s), hereinafter referred to as "Assignors," are the inventor(s) of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: PLASMA EQUIPMENT

Filing Date: November 10, 2014

Application No.: 14/400,306

WHEREAS, Industry-University Cooperation Foundation Hanyang University, located at 17. Haengdang-dong, Seongdong-gu, Seoul, 133-070 Republic of Korea, hereinafter referred to as "ASSIGNEE," is desirous of acquiring ASSIGNORS' interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignees' successors and assigns, all their right, title and interest in and to the said invention and application including any corresponding foreign application, and in and to any Letters Patent which may hereafter be granted on the same in the United States and any corresponding foreign application, the said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates

| indicated. | |
|------------------|-----------------------|
| Date: | Name: Chin-Wook CHUNG |
| Date: 30(4/(0/3) | Name: Jin-Young BANG |
| Date: | Name: Hee-Jin LEE |

PATENT REEL: 034149 FRAME: 0010