503943560 08/03/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KI WOONG WHANG	07/22/2016
HEE WOON CHEONG	07/22/2016

RECEIVING PARTY DATA

Name:	SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION
Street Address:	1, GWANAK-RO, GWANAK-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	08826

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15100388

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	4366-1602380
NAME OF SUBMITTER:	RICHARD L. BYRNE
SIGNATURE:	/Richard L. Byrne/
DATE SIGNED:	08/03/2016

Total Attachments: 3

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PATENT 503943560 REEL: 039324 FRAME: 0192

RECORDATION FORM COVER SHEET PATENTS ONLY	
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
1. Name of conveying party(ies) Ki Woong WHANG Hee Woon CHEONG	2. Name and address of receiving party(ies) Name: Seoul National University R&DB Foundation Internal Address:
Additional name(s) of conveying party(ies) attached? Yes V No. 3. Nature of conveyance/Execution Date(s): Execution Date(s) July 22, 2016	Street Address: 1, Gwanak-ro, Gwanak-gu
Assignment Merger Security Agreement Change of Name Joint Research Agreement	City: Seoul State:
Government Interest Assignment Executive Order 9424, Confirmatory License Other	Country: REPUBLIC OF KOREA Zip: 08826 Additional name(s) & address(es) attached? Yes V No
A. Patent Application No.(s) 15/100,388	document serves as an Oath/Declaration (37 CFR 1.63). B. Patent No.(s) ached? Yes No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Richard L. Byrne	7. Total fee (37 CFR 1.21(h) & 3.41) \$0
Street Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200	 Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
City: Pittsburgh	8. Payment Information
State: <u>PA</u> Zip: <u>15222</u>	
Phone Number: 412-471-8815 Docket Number: 4366 - 1602830	Deposit Account Number
Email Address: assignments@webblaw.com	Authorized User Name
9. Signature: Signature Richard L. Byrne Name of Person Signing	August 3, 2016 Date Total number of pages including cover sheet, attachments, and documents:
Documents to be recorded (including cover sheet) Mail Stop Assignment Recordation Services, Director of	

PATENT REEL: 039324 FRAME: 0193

	INTERNATIONAL
Application No.	15/100,388
Attorney Docket No	4366-1602830

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

PLASMA PROCESSING DEVICE CAPABLE OF PLASMA SHAPING THROUGH

MAGNETIC FIELD CONTROL (Invention Title) for which I have this day executed an application for a United States Patent (hereinafter "said application"). AND/OR X for which an application for a United States Patent was filed on 11/28/2014 (mm/dd/yyyy) and bears Application Number 15/100,388 (hereinafter "said application"). AND/OR X for which an international patent application was filed under the Patent Cooperation Treaty on 11/28/2014 (mm/dd/yyyy), bearing Application No. PCT/KR2014/011557 (hereinafter "said application"). AND, WHEREAS, Seoul National University R&DB Foundation, a corporation of the Republic of Korea, having a place of business at 1, Gwanak-ro, Gwanak-gu, Seoul 08826, Republic of Korea, hereinafter called the "assignee", is desirous of acquiring the entire

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

right, title, and interest in and to said application and the inventions and improvements therein

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

Page 1 of 2

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disclosed.

	INTERNATIONAL
Application No.	15/100,388
Attorney Docket No	4366-1602830

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR: Ki Woong WHANG	RESIDENCE: Seoul, Republic of Korea
EXECUTED this 22 day of July	_, 2016 SIGNATURE
WITNESS:	V V
了一个	
2. FULL NAME OF ASSIGNOR: Hee Woon CHEONG	RESIDENCE: Seoul, Republic of Korea
EXECUTED this 22 day of July	Cheony GGNATURE
WITNESS:	
71/2	
Checked Box indicates additional pa	ge(s) for inventor signatures.
Doc	ro 2 of 2

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