PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4544065

NATURE OF CONVEYANCE: Corrective Assignment to correct the FOURTH ASSIGNOR'S NAME	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
confirms the ASSIGNMENT.		previously recorded on Reel 042063 Frame 0324. Assignor(s) hereby

CONVEYING PARTY DATA

Name	Execution Date
AZAD SHADEMAN	02/23/2015
AXEL KRIEGER	02/25/2015
JAEPYEONG CHA	02/23/2015
PETER KIM	02/25/2015
JIN U. KANG	02/23/2015

RECEIVING PARTY DATA

Name:	CHILDREN'S NATIONAL MEDICAL CENTER
Street Address:	111 MICHIGAN AVENUE, N.W.
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20010-2970

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14625420

CORRESPONDENCE DATA

Fax Number: (703)413-2220

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: (703) 413-3000
Email: hcho@oblon.com
Correspondent Name: OBLON, ET AL.
Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	431055US
NAME OF SUBMITTER:	HYUN CHO
SIGNATURE:	/Hyun Cho/
DATE SIGNED:	08/10/2017
	•

Total Attachments: 7

PATENT REEL: 043513 FRAME: 0907

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PETER KING	02/25/2015
JIN U KANG	02/23/2015
AXEL KRIEGER	02/25/2015
AZAD SHADEMAN	02/23/2015
JAEPYEONG CHA	02/23/2015

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Postal Code:	20010-2970

PROPERTY NUMBERS Total: 1

Property Type	Number
	14625420

CORRESPONDENCE DATA

Fax Number: (703)413-2220 **Phone:** 703-413-3000

Email: CWAGNER@OBLON.COM

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.

Correspondent Name: CHERYL WAGNER **Address Line 1:** 1940 DUKE STREET

Address Line 2: OBLON

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	431055US
NAME OF SUBMITTER:	CHERYL B WAGNER
Signature:	/Cheryl B. Wagner/
Date:	04/19/2017

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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RECEIPT INFORMATION

EPAS ID: PAT4374934 **Receipt Date:** 04/19/2017

Title of METHOD AND SYSTEM FOR PROVIDING RECOMMENDATION FOR OPTIMAL EXECUTION OF SURGICAL PROCEDURES	
As the below named inventor, I hereby declare that:	
This declaration The attached application, or	
s directed to: United States application or PCT international application number 14/625,420 filed on 02-18-2015	
The above-identified application was made or authorized to be made by me.	
believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, Children's National Medical Center hereinafter referred to as "ASSIGNEE") having places of business at: 111 Michigan Avenue, N.W., Washingt DC, 20010-2970, USA, is desirous of acquiring the entire right, title and interest in and to said invention and in a o any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any a all foreign countries:	and
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is here acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer usual ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possession and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and to any and all Letters Patent which may be granted therefor in the United States and its territorious and in any and all foreign countries and in and to any and all divisions, reissues, continuation substitutions and renewals thereof.	ons and and rial
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions a my and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully antirely as the same would have been held by me had this Assignment and sale not been made.	the its
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to especting said invention, and testify in any legal proceeding, sign all lawful papers, execute all division ontinuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everythe cossible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for supernition in the United States and its territorial possessions and in any and all foreign countries.	nal, and ing
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 10 y fine or imprisonment of not more than five (5) years, or both.)01
EGAL NAME OF INVENTOR	
nventor: Azad SHADEMAN Date: 2/23/2015	
ignature: Oh a 2	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW

1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

Invention	OPTIMAL EXECUTION OF SURGICAL PROCEDURES
As the below named	d inventor, I hereby declare that:
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The above-identifie	d application was made or authorized to be made by me.
I believe that I am ti	he original inventor or an original joint inventor of a claimed invention in the application.
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acknowledged, and said ASSIGNEE, th and in all foreign co other relevant Inter- interest in and to a possessions and in substitutions and rer	
any and all foreign assignee of my entir (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its lassigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.
respecting said inv continuation, substit all of said Letters I possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me ention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, rute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ted States and its territorial possessions and in any and all foreign countries.
	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Axel KR	IEGER Date: 2/25 //5
Signature:	~~

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

Title of METHOD AND SYSTEM FOR PROVIDING RECOMMENDATION FOR OPTIMAL EXECUTION OF SURGICAL PROCEDURES
As the below named inventor, I hereby declare that:
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The above-identified application was made or authorized to be made by me.
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WHEREAS, Children's National Medical Center (hereinafter referred to as "ASSIGNEE") having places of business at: 111 Michigan Avenue, N.W., Washington, DC, 20010-2970, USA, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
LEGAL NAME OF INVENTOR
Inventor: Jaepyeong CHA Date: 02/23/2015
Signature:

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

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LEGAL NAME OF	
Inventor: Peter K	Date: Feb 25, 15
Signature:	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET

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LEGAL NAME OF	INVENTOR
Inventor: <u>Jin U. K</u> Signature:	ANG Date: 2/23/2015
	OBLON, McCLELLAND, MATER & NEUSTADT, L.L.P. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 043513 FRAME: 0915

RECORDED: 08/10/2017