

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JUN YOUNG KIM	04/25/2019
ANNA SEO	04/25/2019
SHIN YOON KIM	04/24/2019
HYUN DEOK KIM	04/25/2019
HYUN MUN KIM	04/25/2019
RECEIVING PARTY DATA	
Name:	KYUNGPOOK NATIONAL UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION
Street Address:	80, DAEHAK-RO, BUK-GU
City:	DAEGU
State/Country:	KOREA, REPUBLIC OF
Postal Code:	41566
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16345506
CORRESPONDENCE DATA	
Fax Number:	(802)862-7512
<i>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.</i>	
Phone:	802-863-2375
Email:	patip@drm.com
Correspondent Name:	KEVIN C. MCGRATH, ESQ.
Address Line 1:	199 MAIN STREET
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ATTORNEY DOCKET NUMBER:	16185-009USU1
NAME OF SUBMITTER:	KEVIN C. MCGRATH
SIGNATURE:	/Kevin C. McGrath/
DATE SIGNED:	04/26/2019
Total Attachments: 5	
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ASSIGNMENT

Whereas, I, **Jun Young KIM**, residing in Daegu, Korea, have invented one or more new and useful inventions and have filed therefor United States Utility Patent Application Serial No. 16/345,506, filed on April 26, 2019, entitled "**Surgical Navigation System**" (hereinafter, "Application(s)");

And whereas, Kyungpook National University Industry-Academic Cooperation Foundation, a Korean entity, having a place of business at 80, Daehak-ro, Buk-gu Daegu, 41566 Korea, (hereinafter called Assignee), desires to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

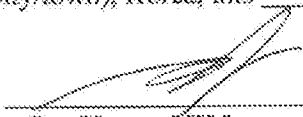
Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, including all provisional applications relating thereto, all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents which may have been granted or may be granted hereafter thereon, and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon, and all rights of priority resulting from any of the foregoing.

And I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

I hereby authorize Downs Rachlin Martin PLLC to insert into this Assignment in the blank spaces appearing above, respectively, the application serial number and filing date of the patent application identified by Attorney Docket No. "16185-009USU1," which appears on at least one page of the application.

Executed at Daegu (city/town), Korea, this 28th day of April, 2019.



Jun Young KIM

19189367.1

ASSIGNMENT

Whereas, I, **Anna SEO**, residing in Daegu, Korea, have invented one or more new and useful inventions and have filed therefor United States Utility Patent Application Serial No. 16/345,506, filed on April 26, 2019, entitled "**Surgical Navigation System**" (hereinafter, "Application(s)");

And whereas, Kyungpook National University Industry-Academic Cooperation Foundation, a Korean entity, having a place of business at 80, Daehak-ro, Buk-gu Daegu, 41566 Korea (hereinafter called Assignee), desire to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

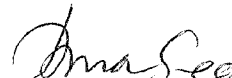
Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, including all provisional applications relating thereto, all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents which may have been granted or may be granted hereafter thereon, and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon, and all rights of priority resulting from any of the foregoing.

And I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

I hereby authorize Downs Rachlin Martin PLLC to insert into this Assignment in the blank spaces appearing above, respectively, the application serial number and filing date of the patent application identified by Attorney Docket No. "16185-009USU1," which appears on at least one page of the application.

Executed at Daegu (city/town), Korea, this 25th day of April, 2019.



Anna Seo

19189459.1

ASSIGNMENT

Whereas, I, **Shin Yoon KIM**, residing in Daegu, Korea, have invented one or more new and useful inventions and have filed therefor United States Utility Patent Application Serial No. 16/345,506, filed on April 26, 2019, entitled "**Surgical Navigation System**" (hereinafter, "Application(s)");

And whereas, Kyungpook National University Industry-Academic Cooperation Foundation, a Korean entity, having a place of business at 80, Daehak-ro, Buk-gu Daegu, 41566 Korea (hereinafter called Assignee), desires to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

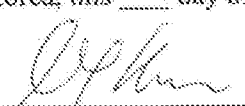
Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, including all provisional applications relating thereto, all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents which may have been granted or may be granted hereafter thereon, and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon, and all rights of priority resulting from any of the foregoing.

And I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

I hereby authorize Downs Rachlin Martin PLLC to insert into this Assignment in the blank spaces appearing above, respectively, the application serial number and filing date of the patent application identified by Attorney Docket No. "16185-009USU1," which appears on at least one page of the application.

Executed at Daegu (city/town), Korea, this 24th day of April, 2019.


Shin Yoon KIM

19189471.1

ASSIGNMENT

Whereas, I, **Hyun Deok KIM**, residing in Daegu, Korea, have invented one or more new and useful inventions and have filed therefor United States Utility Patent Application Serial No. 16/345,506, filed on April 26, 2019, entitled "**Surgical Navigation System**" (hereinafter, "Application(s)");

And whereas, Kyungpook National University Industry-Academic Cooperation Foundation, a Korean entity, having a place of business at 80, Daehak-ro, Buk-gu Daegu, 41566 Korea, and Korea Advanced Institute of Science and Technology, a Korean company, having a place of business at 291, Daehak-ro, Yuseong-gu Daejeon, 34141 Korea (hereinafter called Assignees), desire to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignees, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, including all provisional applications relating thereto, all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents which may have been granted or may be granted hereafter thereon, and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon, and all rights of priority resulting from any of the foregoing.

And I hereby agree that Assignees may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignees; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignees.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

I hereby authorize Downs Rachlin Martin PLLC to insert into this Assignment in the blank spaces appearing above, respectively, the application serial number and filing date of the patent application identified by Attorney Docket No. "16185-009USU1," which appears on at least one page of the application.

Executed at Daegu (city/town), Korea, this 25 day of April, 2019.

Hyun Deok Kim
Hyun Deok KIM

19189476.1

ASSIGNMENT

Whereas, I, **Hyun Mun KIM**, residing in Seoul, Korea, have invented one or more new and useful inventions and have filed therefor United States Utility Patent Application Serial No. 16/345,506, filed on April 26, 2019, entitled "**Surgical Navigation System**" (hereinafter, "Application(s)");

And whereas, Kyungpook National University Industry-Academic Cooperation Foundation, a Korean entity, having a place of business at 80, Daehak-ro, Buk-gu Daegu, 41566 Korea (hereinafter called Assignee), desires to acquire the entire right, title and interest in the Application(s) and all inventions disclosed therein, and to any United States and foreign patents to be obtained therefor, and to any United States, international, and foreign patent applications to be filed thereon;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, I, the above-named inventor hereby sell, assign, and transfer to Assignee, its successors and assigns, and confirm any previous assignments made by me for, the entire right, title and interest in the Application(s) and inventions therein disclosed for the United States and foreign countries, including all provisional applications relating thereto, all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents which may have been granted or may be granted hereafter thereon, and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon, and all rights of priority resulting from any of the foregoing.

And I hereby agree that Assignee may file one or more international applications and apply for foreign Letters Patent on said inventions; and I request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized official in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Application(s) to Assignee; and I will execute all papers necessary in connection with the United States, international, and foreign applications when called upon to do so by Assignee.

I, the above-named, hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

I hereby authorize Downs Rachlin Martin PLLC to insert into this Assignment in the blank spaces appearing above, respectively, the application serial number and filing date of the patent application identified by Attorney Docket No. "16185-009USU1," which appears on at least one page of the application.

Executed at Daegu (city/town), Korea, this 27th day of April, 2019.

H. M. Kim

Hyun Mun KIM

19189480.1