505328598 02/14/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5375379

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KENJI HIROSE	02/07/2019
HISAYOSHI OTAKI	02/07/2019
HIROKI SATO	01/10/2019
SHINGO MOURI	01/17/2019
KATSUHISA HAKODA	01/22/2019
DAISUKE ISEKI	01/22/2019

RECEIVING PARTY DATA

SONY OLYMPUS MEDICAL SOLUTIONS INC.
4-7-1, KOYASU-MACHI
HACHIOJI-SHI, TOKYO
JAPAN
192-0904
SONY CORPORATION
1-7-1, KONAN
MINATO-KU, TOKYO
JAPAN
108-0075

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16325455

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: astepina@oblon.com
Correspondent Name: OBLON, ET AL.
Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 048330 FRAME: 0624

ATTORNEY DOCKET NUMBER:	519638US
NAME OF SUBMITTER:	ANALIZA STEPINA
SIGNATURE:	/Analiza Stepina/
DATE SIGNED:	02/14/2019
Total Attachments: 6	·
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PATENT REEL: 048330 FRAME: 0625

Title of Invention	MEDICAL OBSERVATION DEVICE AND MEDICAL OBSERVATION SYSTEM
As the below r	named inventor, I hereby declare that:
This declaration is directed to:	on The attached application, or
	United States application or PCT international application number PCT/JP2017/026006 filed on 2017/07/19
The above-ide	ntified application was made or authorized to be made by me.
	am the original inventor or an original joint inventor of a claimed invention in the application. SONY OLYMPUS MEDICAL SOLUTIONS INC., and
WHEREAS, 4-7-1, KO	SONY CORPORATION , with offices at YASU-MACHI, HACHIOJI-SHI, TOKYO, 192-0904, JAPAN, and
	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN
application dis	(hereinafter referred to as ASSIGNEES), are desirous of jointly acquiring all interest in, to and under said invention, said iclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the and in any and all foreign countries;
of which are he legal represent in and to any a any and all prices convention Readheres, and to United States a	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency ereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEES, their successors, assigns, and atives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to ority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American elating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America or any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters ASSIGNEES, as the assignees of the whole right, title and interest thereto;
their designee(further remune	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of said ASSIGNEES or (s), as ASSIGNEES or their successors, assigns and legal representatives may from time-to-time present to me and without cration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Inited States and countries foreign thereto;
application for	agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters hay be granted for my aforesaid invention, as said ASSIGNEES thereof shall hereafter require and prepare at their own expense;
application, sa	agree that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will exame in any interference or litigation related thereto;
And I hereby c this assignmen	ovenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with t and sale.
	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of five (5) years, or both.
LEGAL NAM	E OF INVENTOR
Inventor:	HIROSE, Kenji Date: 2019/2/7
Signature:	Lenji Aiwee

PATENT REEL: 048330 FRAME: 0626

Title of Invention MEDICAL OBSERVATION DEVICE AND MEDICAL OBSERVATION SYSTEM
As the below named inventor, I hereby declare that:
This declaration
United States application or PCT international application number PCT/JP2017/026006 filed on 2017/07/19
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. SONY OLYMPUS MEDICAL SOLUTIONS INC., and WHEREAS, SONY CORPORATION , with offices at
4-7-1, KOYASU-MACHI, HACHIOJI-SHI, TOKYO, 192-0904, JAPAN, and 1-7-1, KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN
respectively (hereinafter referred to as ASSIGNEES), are desirous of jointly acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEES, their successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEES, as the assignees of the whole right, title and interest thereto;
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of said ASSIGNEES or their designee(s), as ASSIGNEES or their successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;
And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as said ASSIGNEES thereof shall hereafter require and prepare at their own expense;
And I further agree that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;
And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.
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: OTAKI, Hisayoshi Date: 2019 / 2 / 7
Signature: OTAKI, Hisayoshi

PATENT

Attorney Docket No.: Sony Ref. No.: SP367620US00

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR MULTIPLE ASSIGNEES

Title of Invention MEDICAL OBSERVATION DEVICE AND MEDICAL OBSERVATION SYSTEM
As the below named inventor, I hereby declare that:
This declaration is directed to: The attached application, or
United States application or PCT international application number PCT/JP2017/026006 filed on 2017/07/19 PCT/JP2017/026006
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. SONY OLYMPUS MEDICAL SOLUTIONS INC., and WHEREAS, SONY CORPORATION . with offices at
4-7-1, KOYASU-MACHI, HACHIOJI-SHI, TOKYO, 192-0904, JAPAN, and
1-7-1, KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN
respectively (hereinafter referred to as ASSIGNEES), are desirous of jointly acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEES, their successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEES, as the assignees of the whole right, title and interest thereto;
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of said ASSIGNEES or their designee(s), as ASSIGNEES or their successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;
And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as said ASSIGNEES thereof shall hereafter require and prepare at their own expense;
And I further agree that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;
And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.
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: SATO, Hiroki Date: 2019/1/10
Signature: SATO, Hiroki

PATENT

Title of Invention MEDICAL OBSERVATION DEVICE AND MEDICAL OBSERVATION SYSTEM
As the below named inventor, I hereby declare that:
This declaration is directed to:
United States application or PCT international application number filed on2017/07/19
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. SONY OLYMPUS MEDICAL SOLUTIONS INC., and WHEREAS, SONY CORPORATION , with offices at
4-7-1, KOYASU-MACHI, HACHIOJI-SHI, TOKYO, 192-0904, JAPAN, and 1-7-1, KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN
respectively (hereinafter referred to as ASSIGNEES), are desirous of jointly acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEES, their successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to said ASSIGNEES, as the assignces of the whole right, title and interest thereto;
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And I further agree that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;
And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.
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: MOURI, Shingo Date: 2019 / 1 / 17
Signature: MOURI, Shingo

PATENT

Title of Invention MEDICAL OBSERVATION DEVICE AND MEDICAL OBSERVATION SYSTEM	
As the below named inventor, I hereby declare that:	
This declaration	
United States application or PCT international application number PCT/JP2017/026006 filed on 2017/07/19	
The above-identified application was made or authorized to be made by me.	
· <u></u> /	offices at
4-7-1, KOYASU-MACHI, HACHIOJI-SHI, TOKYO, 192-0904, JAPAN, and 1-7-1, KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN	,
respectively (hereinafter referred to as ASSIGNEES), are desirous of jointly acquiring all interest in, to and under said inventiapplication disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted thereform United States and in any and all foreign countries;	
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and suf of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEES, their successors, assi legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations there in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and it amy and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-A Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of a adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patent United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Patent to said ASSIGNEES, as the assignees of the whole right, title and interest thereto;	gns, and eof, and n and to merican America ts in the
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And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful patapplication for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any patent which may be granted for my aforesaid invention, as said ASSIGNEES thereof shall hereafter require and prepare at their own expenses.	Letters
And I further agree that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me testify as to the same in any interference or litigation related thereto;	to said and will
And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conf this assignment and sale.	lict with
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprison not more than five (5) years, or both.	ment of
LEGAL NAME OF INVENTOR	
Inventor: HAKODA, Katsuhisa Date: 2019 / 1 / 22	
Signature: Matsuhisa Hakoola	

PATENT

Title of Invention MEDICAL OBSERVATION DEVICE AND MEDICAL OBSERVATION SYSTEM	
As the below named inventor, I hereby declare that:	
This declaration is directed to: The attached application, or	
United States application or PCT international application number PCT/JP2017/026006 filed on 2017/07/19 .	
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. SONY OLYMPUS MEDICAL SOLUTIONS INC., and	
WHEREAS, SONY CORPORATION , with office 4-7-1, KOYASU-MACHI, HACHIOJI-SHI, TOKYO, 192-0904, JAPAN, and	es at
1-7-1, KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN	,
respectively (hereinafter referred to as ASSIGNEES), are desirous of jointly acquiring all interest in, to and under said invention, application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in United States and in any and all foreign countries;	
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficion which are hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEES, their successors, assigns, legal representatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in an any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-Amer Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Ama adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Le Patent to said ASSIGNEES, as the assignees of the whole right, title and interest thereto;	, and , and nd to rican erica n the
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of said ASSIGNEE their designee(s), as ASSIGNEES or their successors, assigns and legal representatives may from time-to-time present to me and wit further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Le Patent of the United States and countries foreign thereto;	hout
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And I further agree that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating to application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and testify as to the same in any interference or litigation related thereto;	
And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict this assignment and sale.	with
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment not more than five (5) years, or both.	nt of
LEGAL NAME OF INVENTOR	
Inventor: ISEKI, Daisuke Date: 20/9/1/22	
Signature: ISEKI, Darsuke	