PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5204172

		CORRECTIVE ASSIGNMENT	CORRECTIVE ASSIGNMENT				
NATURE OF CONVEYANCE:		FIRST AND LAST NAMES previously reco	Corrective Assignment to correct the ORDER OF THE INVENTOR FIRST AND LAST NAMES previously recorded on Reel 046652 Fr 0711. Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGN INTEREST.				
CONVEYING PARTY	ΔΤΑ						
		Name	Execution Date				
KINZO KISHIDA			10/15/2018				
YOSHIAKI YAMAUCHI			10/15/2018				
RECEIVING PARTY D	ΑΤΑ						
Name:	NEUBR	EX CO., LTD.					
Street Address:	1-24, S	AKAEMACHIDORI 1-CHOME, CHUO-KU					
City:	KOBE-	KOBE-SHI, HYOGO					
State/Country:	JAPAN						
Postal Code:	650-002	23					
PROPERTY NUMBER		Number					
PROPERTY NUMBER Property Type Application Number:	•	Number 16078533					
Property Type Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will a</i> <i>using a fax number, it</i> Phone: Email:	DATA be sent to	(703)836-7419 <i>the e-mail address first; if that is unsuccessf</i> <i>; if that is unsuccessful, it will be sent via US</i> 703-836-6620 ulie.krumpelman@BIPC.com					
Property Type Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will a</i> <i>using a fax number, it</i> Phone: Email: Correspondent Name	DATA be sent to provided	16078533 (703)836-7419 <i>the e-mail address first; if that is unsuccessf</i> <i>; if that is unsuccessful, it will be sent via US</i> 703-836-6620 ulie.krumpelman@BIPC.com BUCHANAN, INGERSOLL & ROONEY PC					
Property Type Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will a</i> <i>using a fax number, it</i> Phone: Email:	DATA be sent to provided	(703)836-7419 <i>the e-mail address first; if that is unsuccessf</i> <i>; if that is unsuccessful, it will be sent via US</i> 703-836-6620 ulie.krumpelman@BIPC.com					
Property Type Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, in</i> Phone: Email: Correspondent Name Address Line 1: Address Line 4:	DATA be sent to provided	(703)836-7419 <i>the e-mail address first; if that is unsuccessf</i> <i>; if that is unsuccessful, it will be sent via US</i> 703-836-6620 ulie.krumpelman@BIPC.com BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404					
Property Type Application Number: CORRESPONDENCE Fax Number: Correspondence will a using a fax number, it Phone: Email: Correspondent Name Address Line 1:	DATA be sent to provided	(703)836-7419 the e-mail address first; if that is unsuccessf ; if that is unsuccessful, it will be sent via US 703-836-6620 ulie.krumpelman@BIPC.com BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VIRGINIA 22313-1404					
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Property Type Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will i</i> <i>using a fax number, it</i> Phone: Email: Correspondent Name Address Line 1: Address Line 1: Address Line 4:	DATA be sent to provided	(703)836-7419 the e-mail address first; if that is unsuccessf ; if that is unsuccessful, it will be sent via US 703-836-6620 ulie.krumpelman@BIPC.com BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VIRGINIA 22313-1404 1033318-000580 JULIE KRUMPELMAN					

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5101757

SUBMISSION TYPE:		NEW ASSIG	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMEN	ASSIGNMENT				
CONVEYING PART	Υ DATA						
		Name			Execution Date		
KISHIDA KINZO					06/19/2018		
YAMAUCHI YOSHIA	AKI				06/19/2018		
RECEIVING PARTY	DATA						
Name:	NEUB	REX CO., LTD.		***********************************			
Street Address:	1-24, 9	AKAEMACHIDORI	I 1-CHOME, CHU	D-KU			
City:	KOBE	SHI, HYOGO					
State/Country:	JAPAN	JAPAN					
Postal Code:	650-00	23					
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Attorney Docket No. <u>1033318-000590</u> Client Reference No. <u>FN01857</u> Application No. <u>16/078.533</u> Page 1 of 2

COMBINED DECLARATION AND ASSIGNMENT (JOINT)

As one of the below named inventors, I hereby declare that this Declaration is directed to:

(1) DS U.S. application number or PCT international application number <u>PCT/JP2016/057716</u> filed on <u>March 11, 2016</u>, entitled <u>RAYLEIGH MEASUREMENT</u> <u>SYSTEM AND RAYLEIGH MEASUREMENT METHOD</u>; or

(2) the attached application entitled <u>RAYLEIGH MEASUREMENT SYSTEM AND</u> RAYLEIGH MEASUREMENT METHOD.

DECLARATION

As one of the below named inventors, I further declare that:

The above-kientified application was made or authorized to be made by me.

I believe that I am an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 16 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

<u>ASSIGNMENT</u>

THIS ASSIGNMENT, by the undersigned inventors (hereinefter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in the application for Letters Patent of the United States identified above;

WHEREAS, <u>NEUBREX CO., LTD.</u>, a corporation duly organized under and pursuant to the laws of JAPAN and having a principal place of business at <u>1-24</u>, <u>Satasmachidori 1-chome</u>, <u>Chuo-ku</u>, <u>Kobe-shi</u>, <u>Hvoqo</u> <u>850-0023</u>, <u>JAPAN</u> (hereinañar referred to sa "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to sald inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell,

Page 1 of 2

PATENT REEL: 047303 FRAME: 0405

Attorney Docket No. <u>1033318-000580</u> Client Reference No. <u>FN01857</u> Application No. <u>16/078.533</u> Page 2 of 2

assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any spatications for Letters Patent or Patents of the United States or other America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications, claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and releases and extensions of said Letters Patent or Patents, and all rights under the internetional Convention for the Protection of industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignse, its successore, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in acid applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and iswful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assigner will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with Leiters Patent or Patents, or any proceeding in connection with Leiters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any applications for Letters Patent or Patents, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any release or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful caths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Latters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

October 15, 218	Kinzo KISHIDA	- Ko Kich
Data	Nama	Signature
October 15, 2018	Yoshiski YAMAUCHI Name	<u>Yoshichi Yamauchi</u>

Page 2 of 2

PATENT REEL: 047303 FRAME: 0406

Attorney Docket No. <u>1033318-000580</u> Client Reference No. <u>FN0186Y</u> Application No. <u>Unassigned</u> Page 1 of 2

COMBINED DECLARATION AND ASSIGNMENT (JOINT)

As one of the below named inventors, I hereby declare that this Declaration is directed to:

(1)	U.S. application number or PCT international application number
	PCT/JP2016/057718 filed on March 11, 2018, entitled RAYLEIGH MEASUREMENT
	SYSTEM AND RAVIEIGH MEASUREMENT METHOD: or

(2) the attached application entitled <u>RAYLEIGH MEASUREMENT SYSTEM AND</u> <u>RAYLEIGH MEASUREMENT METHOD</u>.

DECLARATION

As one of the below named inventors, I further declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

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.

<u>ASSIGNMENT</u>

THIS ASSIGNMENT, by the undersigned inventors (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in the application for Letters Patent of the United States identified above;

WHEREAS, <u>NEUBREX CO., LTD.</u>, a corporation duly organized under and pursuant to the laws of <u>JAPAN</u> and having a principal place of business at <u>1-24</u>. <u>Saksemachidori 1-chome</u>. <u>Chuo-ku</u>. <u>Kobe-shi</u>, <u>Hvogo</u> <u>650-0023</u>. <u>JAPAN</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer,

Page 1 of 2

PATENT REEL: 047303 FRAME: 0407

Attorney Docket No. 1033318-000580 **Člient Reference No. FN0185Y** Application No. Unassigned Page 2 of 2

and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, tille and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of his successors, legal representatives, and assigns, to the full and of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and essignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and thet the same are unencumbared, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth:

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Latters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-inpart of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns:

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successore, legal representatives, and assigns.

Date 19, 2018 Kishida KINZO Data Name

June 19, 2018 Kishida KINZO Data Name Kishida KINZO Name Sighature Kishida Kinzo Sighature Kishida Kishida Kishida Kinzo Sighature Kishida Kis

Page 2 of 2

PATENT REEL: 047303 FRAME: 0408

RECORDED: 10/24/2018