PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3132528

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PANTELEIMON ATHANASIOU	09/18/2014
ALPESH PATEL	09/18/2014
HUA BAI	10/02/2014
JOHN PALMER-FELGATE	11/26/2014
DANIEL COOMBER-ALFORD	10/22/2014
JESSICA FISHER	11/13/2014
CHAD SCHNEIDER	09/30/2014
ALEX FLAMM	11/13/2014
BEN LANE	11/13/2014
SAM REED	10/01/2014
DAVID WHITAKER	04/23/2013

RECEIVING PARTY DATA

Name:	DNA ELECTRONICS LTD
Street Address:	UGLI CAMPUS BLOCK C, 56 WOODLAWN LANE
City:	LONDON
State/Country:	ENGLAND
Postal Code:	W12 7SB

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14387354

CORRESPONDENCE DATA

Fax Number: (703)991-7071

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: 7037408322

Email: Patent@maierandmaier.com
Correspondent Name: MAIER & MAIER, PLLC

Address Line 1:345 SOUTH PATRICK STREETAddress Line 4:ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 01700004US

923 REEL: 034533 FRAME: 0159

PATENT

503085923

NAME OF SUBMITTER:	CHRISTOPHER J. MAIER
SIGNATURE:	/Christopher J. Maier/
DATE SIGNED:	12/04/2014
Total Attachments: 12	
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Title of Invention: Biosensor Device and Sc	Step:
	DECLARATION
As a below named inventor, I hereby declare	
This declaration is directed to:	
The attached application, or	
United States application or Pton September 23, 2014	CT (internations) application number <u>14/387,354</u> (filed
inventor of a claimed invention in the applicat	sutherized to be made by me. I believe I am the original inventor or an original joint tion. I have reviewed and understood the contents of the above-identified application, not made in the application. I acknowledge the duty to disclose all information which is 1.56.
I hereby acknowledge that any willful false st imprisonment of not more than five (5) years.	tatement made in this declaration is punishable under 18 USC 1901 by fine or , or both. ASSIGNMENT
STATE STATE OF A CO. S. AND A COUNTY A CONTRACT	***************************************
	whose post office address is <u>0/0 DNA Electionics Ltd. Ugli Campus Block C. 36 Wood</u>
hereinafter referred to as ASSIGNOR, am the ow	oner of useful improvements in Biosonsor Device and System (heroinafter referred to as the
INVENTION) for which the above application fo	or United States Letters Patent was
filed on: September 23, 2014 Se	rial No.: 14/387,354 g or
established by PCT International Patent Applic	ostion No.:
designating the United States of America;	
WHEREAS, DNA Electronics Ltd., whose	post office address is <u>Ugli Campus Block C. St. Wood Lang, Landon X (2.2SB.</u>
NOW, THEREFORE, for good and valuable	s of acquiring the entire right, title and interest in and to the same in the United States; ie consideration, receipt of which is hereby acknowledged. I, ASSIGNOR, by these presents do
	e entire right, title, and interest in and to said INVENTION and application throughout the
• •	Il Letters Patent granted on any division, continuation, continuation-in-part and relastic of said
application.	the state of the s
	any documents that legally may be required in connection with the filling, prosecution and
	atem application(s) in the United States for said INVENTION, including additional documents
	SIGNEE in and to said invention, all without further consideration. Assignor also agrees.
	's expense, to identify and communicate to ASSISSEE at AssiGNEE's request documents and
	within Assignor's possession or comrol, and to provide further assurances and testimony on
	red of Assignor in respect of the prosecution, maintenance and defense of any patent
	erms of this instrument. Assumor's obligations under this instrument shall extend to
Assignor's hoirs, executors, administrators an	
	quests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent
	E of the entire right, title and interest in and to the same, for ASSIGNUE'S sale use and behoof:
•	representatives and successors, to the full end of the term for which such Letters Patent may
	ould have been held by ASSIGNOR had this assignment and sale not been made.
to effect its recordal in the U.S. Patent and Tra-	from of Maier & Maier, PLLC to insert or complete any information in this document needed demark Office.
Legal Nume of Inventor: Chad SCHNEIDER	
x () () () () () () () () () (× 30-Sept-2014
Inventor's Signature	Date

DECLARATION AND ASSIGNMENT Title of Invention: Biosensor Device and System DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: The attached application, or \mathbf{X} United States application or PCT international application number 14/387,354 filed on September 23, 2014 The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful faise statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. ASSIGNMENT WHEREAS, I, Ben LANE , whose post office address is g/o DNA Electronics Ltd, Ugli Cumpus Block C, 36 Wood Lane. London W12.7SB, bereinafter referred to as ASSIONOR, am the owner of useful improvements in Biosensor Device and System (hereinafter referred to as the INVENTION) for which the above application for United States Letters Patent was filed on: September 23, 2014 Serial No.: 14/387,354 or designating the United States of America; WHEREAS, DNA Flectronics Ltd., whose post office address is Utili Campus Block C. 56 Wood Lanc, London W12.2SB. hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States; MOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said Assigner, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application. ALSO, ASSIGNOR hereby agrees to execute any documents that logally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of Assignee in and to said liveration, all without further consideration. Assigned also agrees, without further consideration and at Assignee's expense, to identify and communicate to Assignee at Assignee's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of Assigned that lawfully may be required of Assignor in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. AsstONOR's obligations under this instrument shall extend to Assignor's heirs, executors, administrators and other legal representatives. ALSO, ASSIGNOR hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behouf; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full and of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIONOR had this assignment and sale not been made. ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

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DECLARATION AND ASSIGNMENT Title of Invention. Hunstasar Derice and System. DECLARATION As a below named inventor, I hereby declare that: This enclaration is discused tes: The attached application, or \mathbf{X} United States application or PCV interactional application number 14/387,354 their September 23, 2014 The above-identified application was made or authorized to be made by me. I betieve fain the original inventor or an original joint becomes if a claimed invention in the application. I have reviewed and understant the consent of the above identified application including the claims, and any cialm amendments made in the application. Lacknowledge the dare to disclose all information which is material to patentabeltly wildefined in 37 CFR 1.56. I hereby acknowledge that any willful fake statement made in this declaration is numbable under 18 USC 1991 by the or imprisonment of not more than thre (5) years, or both. ASSECTABLE WHEREAS, I. John PALMHR-FELGATE whose post office address in gen DNA Cleetonic And Aigh Camora Block C. So. Word Lone, Loneisa W12 28B. tercination tale rood to as ASSIGMAN, am the assmor of awritil improvements in Blossman Device and System theramatics referred to as the ESVENTION) for which the above application for United State, Extices Patent was September 23, 2014 Series 36: 14/387,354 designating the United States of America; VHEREAS, DNA Electronics 14d., whose post office address in Ligh Commus Block Cl. 56 Broad Long London W12 75B. heremather reformed to as ACOUNTIE, is describes of acquiring the entire right, 6th and interest in and to the same in the United States; NOW, THERESORE, for good and valuable consideration, receipt of which is become acknowledged 1, Assumer, by these presents do sell, assign and transfer unto said ASSECTEF, the entire right, fulle, and interest in and is said INVENTION and application throughout the United Males of America, including my and all Letters Fatest justified on any division, communition, communition and perfectly of soils. application ALSES, ASSESSOR hereby agrees to execute any documents that legally may be tennised in connection with the filling, prostention and maintenance of said application of any other patent application(s) in the United States for said 1600000000, including additional documents than may be required to affirm the rights of ASSPACE in and to sant INSENTION all without finally, consideration. ASSPACE also affects. without further consistentifies and at ASSUNTA'S exponent in blantify and communicate to ASSUSCIE, at ASCONDES request documents and information concerning the INVESTION that are within ASSENIAR'S passossion or contect, and to provide further as connect and testimony on behalf of AEXIGNUI that lawfully may be required of AEXICON in respect of the presentium, maintenance and definise of any phori application or patent encompassed within the v.em- of this locaroment. Assett 400% oddigation, under this instrument shall extend to Assignable's hoirs, executors, administrators and other legal corresentatives. ALSO, ASSEDS a hereby authorizes and name as the Director of the U.S. Paton and Trademark office to assess any and all Centers Patent referred to above to ASSIMBLE, as the ASSIMBLE of the value right, title and interest in and in the same, the ASSIMBLE use, and behonf, and for the use and behave of AESIGHE'S legal representatives and smeassons, to the full and or the term the which such Letters Ostom, may tic gravited, as fully and entirely as the same would have been held by ABSICANA had this acrogation and soc, and been enade, NSEIGNOB authorizes any member of the firm of Maler & Maler, PLLC to incert or complete, my information in this deconsion needed to efficities recorded in the U.S., Patent and Frademark Office, Legal Name of Inversor: John PALMUS-FILGATE. x 26NOV14

Inventor's Signature

THE OTHER CALIFORNIA DEVAN SINGSTEERS	
DECLARATION	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
The attached application, or	
United States application or PCT international application number 14/387,354 filed on September 23, 2014	
The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both,	
ASSIGNMENT	
WHEREAS, I, Alex FLAMM , whose post office address is c/o DNA Electronics Ltd, Ugli Campus Block C, 56 Wood Lur	ic.
Landon W12 7SB.	
hereinafter referred to as ASSIGNOR, am the owner of useful improvements in Biosensor Device and System (hereinafter referred to as the)
INVENTION) for which the above application for United States Letters Patent was	
filed on: September 23, 2014 Social No.: 14/387,354 or	
established by PCT International Patent Application No.	أوومت
designating the United States of America;	
WHEREAS, DNA Electronics Ltd., whose post office address is Ugli Campus Block C. \$6 Wood Lang, London W12 7SB.	,-,
hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;	
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, i, Assignor, by these presents	do
sell, assign and transfer unto said Assignme, the entire right, title, and interest in and to said INVENTION and application throughout the	
United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of s	aid
application.	
ALSO, Assignor hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and	
maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional document	
hat may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees,	
without further consideration and at Assignee's expense, to identify and communicate to Assignee at Assignee's request documents and	
information concerning the INVENTION that are within Assignous possession or control, and to provide further assurances and testimony	on
behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent	
application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to	
Assignor's heirs, executors, administrators and other legal representatives,	
ALSO, Assignor hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent	
referred to above to Assignes, as the Assignes of the entire right, title and interest in and to the same, for Assignes's sole use and behoc	
and for the use and behoof of Assignme's legal representatives and successors, to the full end of the term for which such Letters Patent m	зу
be granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.	
ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document need	.ed
o effect its recordal in the U.S. Patern and Trademark Office.	
egal Name of Inventor: Alex FLAMM	
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inventor's Signature Date	

True of fuvention: Historian Device and System	
DECLARATION	
As a below namest inventor, I hereby declare that: This declaration is directed to:	
The attented application, or	
(x) United Susters application or PCT international application number 14/387,354 , filed on September 23, 2014	
The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a distinct invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any Claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentiality as defined in 37 CFR 1.56.	
Unereby seknowledge that any willful false statement made in this declaration is punishable under 18 USC 1091 by fine or imprisonment of not more than five (2) years, or both.	
ASSIGNMENT	
WHEREAS, I. Rug BAI whose post office address is g/o ONA Electrones 1.14, Ugli Campus Elinck C. 16 Wood Lork. Lambon W12 75B.	
hereinafter referred to as ABBIONOR, am the owner of useful improvements in Elicenter Device and System (hereinafter reterred in as the	
Invention) for which the above application for United States Letters Patent was - 1, 100	
filed us: September 23, 2014 Serial May 14/387,354 W	
established by PCT International Patent Application No.:	
dissignating the United States of America;	
WHIREAS, DHA filectronics Lid_whose post office address is Light Compus Block C. 36 Wood Lone, London W12.78B.	
hereinafter reformed to as Assistives, is desirous of sequiring the entire right, title and interest in and to the same in the United States:	
NOW, YHERREORE, for good and valuable consideration, receipt of which is hereby asknowledged, f. ASSIGMOR, by these presents of	13
self, assign and transfer wite said AASIONES, the muite right, title, and interest in and to said HVISTION and application throughout the	
United States of America, including any and all Letters Patent granted on may division, communation, communation in-part and ressure of st	5853
application.	
ALSO, Assessing horeby agrees to execute any documents that logally may be requited in connection with the filling, prosecution and	
maintenance of said application or any other potent application(s) is the United State. for soid livewith including additional document	>
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without further consideration and at Assuments expense, to identify and communicate to Aistonian at Assuments reduced to communicate to Aistonian at Assuments reduced to communicate to Aistonian at Assuments and	
information concerning the INVENTION that am within ACSTONON'S possession or control, and to provide further assumnces and testimony	C 35
behalf of Assumes that lawfully may be remained of Assumes in respect of the prosecution, maintenance and defined of any pauni	
application or patent encompassed within the terms of this instrument. ASSUMON'S obligations under this instrument shall extend to	
Assitions's heirs, executors, administrators and other logal representatives	
ALSO, Assignor bereby authorizes and requests the Director of the U.S. Patent and Trademark affect to issue my and all Letters Pau	361
teleried to above to Assigness, as the Assignest, of the entire right, title and interest in and in the same, for Assignest's sole use and behow	ŧ;
and for the use and behand of Assicious's legal expresentatives and successors, to the full end of the term for which such Letter. Potent or	эy
be granted, as fully and entirely as the same would have been held by Assistance and this assignment and sale not been made.	
ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document need	eđ
to officer its servordal in the U.S. Polent and Trudemuck Office.	
Legal Plante of Inventor, 16981241	cccc
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again and the same	Þ,
Investor's Signature Onte	

DECLARATION AND ASSIGNMENT Title of Invention: Biosensor Device and System DECLARATION As a below named invenior, I hereby declare that: This declaration is directed to: The attached application, or United States application or PCT international application number 14/387,354 , filed \mathbf{X} on September 23, 2014 The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1601 by fine or imprisonment of not more than five (5) years, or both. ASSIGNMENT WHEREAS, I. Panteleimon ATHANASIOU, whose post office address is c/o DMA Electronics Ltd, Ugli Campus Block C, 56 Wood Lane, Landon W12 7SB. hereinalter referred to as Assignor, am the owner of useful improvements in Biosonsor Device and System (hereinafter referred to as the INVENTION) for which the above application for United States Letters Patent was filed on: September 23, 2014 Serial No. 14/387,354 or established by PCT international Patent Application No.: _____filed: designating the United States of America; WHEREAS, DNA Electronics Ltd., whose post office address is Ugli Campus Block C. 36 Wood Lane, London W12, ISB. hereinafter referred to as Assignes, is desirous of acquiring the entire right, title and interest in and to the same in the United States; NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, i, Assignor, by these presents do sell, assign and transfer onto said Assignes, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application. ALSO, Asstoron hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of Assignee in and to said Invention, all without further consideration. Assignor also agrees, without further consideration and at Assignmes expense, to identify and communicate to Assignme at Assignmes request documents and information concerning the Invention that are within Assignor's possession or control, and to provide further assurances and testimony on behalf of Assignee that lawfully may be required of Assignor in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. Assignor's obligations under this instrument shall extend to Assignor's heirs, executors, administrators and other legal representatives. ALSO, Assignor hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent referred to above to Assignme, as the Assignme of the entire right, title and interest in and to the same, for Assignme's sole use and behoof; and for the use and behoof of ASSIGNER's logal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made. ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office. Legal Name of Inventor: Pantaleimon ATHANASIOU

DECLARATION AND ASSIGNMENT Title of Invention: Biosensor Device and System DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: X The attached application, or United States application or PCT international application number 14/387,354 filed September 23, 2014... The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. ASSIGNMENT WHEREAS, I, Daniel COOMBER-ALFORD , whose post office address is c/o DNA Electronics Ltd, Ugii Campus Block C. 56 Wood Lane, London W12 7SB, hereinafter referred to as ASSIGNOR, am the owner of useful improvements in Biosensor Device and System (hereinafter referred to as the INVENTION) for which the above application for United States Letters Patent was filed in September 23, 2014 Schal No. 14/387,354 or established by PCT International Patent Application No.:______filed designating the United States of America; WHEREAS, DNA Electronics Ltd., whose post office address is Ugli Campus Block C, \$6, Wood Lane, London W12 7SB. hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States; NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application. ALSO, Assignor hereby agrees to execute any documents that legally may be required in connection with the filling, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVESTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives. ALSO, ASSIGNOR hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made. ASSIGNOR authorizes any member of the firm of Maler & Maler, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office. Legal Name of Inventor: Daniel COOMBER-ALFORD

DECLARATION AND ASSIGNMENT Title of Invention: Biosensor Device and System DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: The attached application, or X United States application or PCT international application number 14/387,354 , filed on September 23, 2014. The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. Lacknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. ASSIGNMENT WHEREAS, I, Alpesti PATEL. , whose post office address is c/o DNA Electronics Ltd, Ugli Campus Block C, 56 Wood Lanc. hereinafter referred to as Assignor, am the owner of useful improvements in Biosensor Device and System (hereinafter referred to as the INVENTION) for which the above application for United States Letters Patent was filed out September 23, 2014 Sorial No. 14/387,354 or designating the United States of America; WHEREAS, DNA Electronics Ltd., whose post office address is: Ugli Campus Block C, 56 Wood Lans, London W12 7SB. hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States; NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said Assignee, the entire right, title, and interest in and to said INVINTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application. ALSO, Assignor hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at Assignee's expense, to identify and communicate to Assignee at Assignee's request documents and information concerning the invention that are within Assignor's possession or control, and to provide further assurances and testimony on behalf of Assignee that lawfully may be required of Assignor in respect of the presecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. Assignor's obligations under this instrument shall extend to Assignor's heirs, executors, administrators and other legal representatives. ALSO, ASSIGNOR hereby sufficiency and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent referred to above to Assignee, as the Assignee of the entire right, title and interest in and to the same, for Assignee's sole use and behoof; and for the use and behoof of Asstance's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIONOR had this assignment and sale not been made. ASSIGNOR authorizes any member of the firm of Maier & Maier, FLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Legal Name of Inventor: Alpesti PATEL

Inventor's Signature

PATENT REEL: 034533 FRAME: 0168

x 18 sept 2014

Title of Invention: Rioseusor Device and System		
DECLARATION		
As a below named inventor, I hereby declare that: This declaration is directed to: The attached application, or United States application or PCT international application number 14/387,354 filed on September 23, 2014		
The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both. ASSIGNMENT		
WHEREAS, I. Jessica FISHER , whose post office address is c/o DNA Electronics Ltd, Ugli Campus Block C, 56 Wood Lane.		
London W12 7SB.		
hereinafter referred to as Assignor, am the owner of useful improvements in Biosensor Device and System (hereinafter referred to as the		
INVENTION) for which the above application for United States Letters Patent was		
filed on: September 23, 2014 Serial No. 14/387,354 or		
established by PCT International Patent Application No.:filed:		
designating the United States of America;		
WHEREAS, DNA Electronics Ltd_, whose post office address is Ugli Campus Block C. 56 Wood Laur, London W12 7SB.		
hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States; NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the		
United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said		
application.		
ALSO, Assission and maintenance of said application or any other patent application(s) in the United States for said Inviertors, including additional documents		
that may be required to affirm the rights of Assignee in and to said Invention, all without further consideration. Assignee also agrees,		
without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and		
information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on		
behalf of ASSKNEE that is wfully may be required of ASSKNOR in respect of the prosecution, maintenance and defense of any patent		
application or patent encompassed within the terms of this instrument. Assignor's obligations under this instrument shall extend to		
ASSIGNOR'S heirs, executors, administrators and other legal representatives.		
ALSO, ASSIGNOR hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent		
referred to above to Assigner, as the Assigner of the entire right, title and interest in and to the same, for Assigner's sole use and behoof,		
and for the use and behoof of Assignee's legal representatives and successors, to the full end of the term for which such Letters Patent may		
be granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.		
ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.		
Legal Name of Inventor: Jessica FISHER		
x 1000000 x 113/14		
Invitator's Signature Date		

Title of Invention: <u>Biogeomy Device</u> and System	,,,,,,,,,
REGLARATION	
As a below named inventor, Thereby doctors that:	
This declaration is directed to:	
The attached application, or	
Threed States application of PCT international application manner 14/387,354 illed an September 23, 2014	
The above-identified application was made or authorized to be made by ms. I believe I am the original inventor or an origination of a claimed invention in the application. I have reviewed and understand the contains of the above-identified a mehiding the claims, and any claims amendments made in the application. I acknowledge the day to disclose all informationated to patentiability as defined in 37 CFR 1.56.	Splication,
Thereby acknowledge that any willful files statement made in this declaration is punishable under 18 USC 1001 by fine imprisonment of not files than five (5) years, or both. ASSIGNMENT	Ót.
WHEREAS, I. Sam REED, whose post office address is the DNA Electronics Ltd. Unit Compass Block C. St. Landon W12 783	
hereinafter referred to as ASSECTOR, and the counge of coeful improvements in Dimmensor Device and System thereins flee reli-	arred to as the
Exercises) for which the above application for United States Lovers Patent was	
September 23, 2014 800 14/387,354 800 800 800 800 800 800 800 800 800 80	
established by PCT International Patent Application No	
designming the Umbed States of America; WHEREAS <u>DNAF leatening Ltd</u> whose post office address is: Upli Compas Block C. St Wood Lang Langkon W12.	
bereinafter referred to as Assurers, is desirous of sequiring the entire right, little and interest in and to the same in the Unite NOW, THEREPORE, for good and valuable consideration, results of which is health acknowledged, I. Assurem, by the self, assign and transfer unto said Assurem, the entire right, title, and interest in and to said November and application thro	ese presente do
United States of America, including any and all Lasters Patent granted on any illusion, coinfination, communities insput at	divisue of said
Sppication.	
ALSO, Assission haveby agrees to execute any documents that legally may be required in connection with the filling, pro	seem naturoos
maintenance of said application or any other patent application(s) in the United States for said INVENTION, including addition	nai documents
that may be required to affirm the rights of Assionze in and to said inventury, all without further consideration. Assioned	, alao agrees,
without further consideration and at ANSIGNEE'S expense, to identify and communicate to ASS/ONES at ASSIGNEE'S request of	ocuments and
information concerning the INVENTEN that are within Assatisce's passession or control, and to provide further assurances a	nd testimony an
behalf of ASSENCE that levelally may be required of ASSECTION in respect of the prosecution, maintenance and defense of an	y potent
application or parent encompassed within the terms of this instrument. ASSESSINN obligations under this instrument shall e	xtend to
Assumor's heles, executors, administrators and other legal impresentatives.	
ALSO, Assumor bomby authorizes and requests the Director of the U.S. Patent and Frademark office to issue my and a	ii Letters Patent
referred to above to ASSUNCE, as the AUGUNUE of the entire right, title and interest in and to the came, for ASSUNCE'S side t	ise and behoof:
and for the use and boliouf of Assissmit's legal representatives and successive, to the fall end of the term for which such Let	ters Patcat may
be granted, as fully and entirely as the same would have been held by ASSICNOR had this assignment and value on been made	1.
ASSIGNOR authorizes any exceptor of the fum of Moties & Maine, PLLC is lusers as complete ony information in this de	scument seeded
to effect its recordal in the U.S. Patent and Trademark Office.	
Legal Numa of daventor: Nam REED.	·····
x 101/4-2014	
They couldn't Substitute Date	

Attorney Docket No.: 01700004US

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

I/We, the undersigned hereby agree to assign for said good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

<u>DNA Electronics Limited</u> whose mailing address is, <u>10 John Street, London WCIN 2EB</u>, <u>United Kingdom</u> a corporation organized under the laws of the state/country of <u>United Kingdom</u> as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions entitled and relating to

BIOSENSOR DEVICE AND SYSTEM

described in an application for Letters Patent of the United States, identified as Attorney Docket No. <u>01700004US</u> <u>US</u>, Customer No. 62008 at Maier & Maier, PLLC, 1000 Duke Street, Alexandria, VA 22314.

and filed on Sept. 23, 2014, as U.S. Patent Application No. 14/387,354, and the invention(s) and improvement(s) set forth therein, and any and all conversions, continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. I request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

I/We agree that, when requested, I/We will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

I/We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I/We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it

I/We hereby authorize attorney(s) associated with Customer No. 62008, attorney(s) for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

Page 1

Attorney Docket No.

I/We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I/We have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, I/We have hereunto signed my name on the day and year set forth below.

1 st Inventor's Signature	11 088 13
1 st Inventor's Signature	DATE
PALMER-FELGATE, John 1 st Inventor's Printed Name	
2 ^{pil} Inventor's Signature	23/APT/13 DATE
WHITAKER, David 2 nd Inventor's Printed Name	
3 ^{ai} Inventor's Signature	23-148-13 DATE
PATEL, Alpesh 3rd Inventor's Printed Name	
4 th Inventor's Signature	03/07/13 DATE
ATHANASIOU, Pantelis. 4th Inventor's Printed Name	
5 th Inventor's Signature	5/4/2013
5 th Inventor's Signature	DATE
BAI, Hua 5th Inventor's Printed Name	
6 th Inventor's Signature	DATE 73/04/13
6 th Inventor's Signature	DATE
COOMBER-ALFORD, Daniel 6th Inventor's Printed Name	

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