

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4676743

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS J. ZUPANCIC	08/08/2016
LINGCHUN ZENG	08/03/2016
SRIKANTH VEDAMOORTHY	08/08/2016
JOEL S. LWANDE	08/03/2016
JOSEPH D. KITTLE	08/03/2016
MIN MO	08/03/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FUNDAMENTAL SOLUTIONS CORPORATION
<b>Street Address:</b>	1550 LEHIGH DRIVE
<b>City:</b>	EASTON
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	18042
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15642900
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(614)464-1737
<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>	
<b>Email:</b>	jlaperle@fbtlaw.com
<b>Correspondent Name:</b>	FROST BROWN TODD LLC - COURTNEY J. MILLER, ESQ.
<b>Address Line 1:</b>	301 EAST FOURTH STREET
<b>Address Line 2:</b>	3300 GREAT AMERICAN TOWER
<b>Address Line 4:</b>	CINCINNATI, OHIO 45202
<b>ATTORNEY DOCKET NUMBER:</b>	0136023-0647059-DIV3
<b>NAME OF SUBMITTER:</b>	JULIE LAPERLE
<b>SIGNATURE:</b>	/Julie LaPerle/
<b>DATE SIGNED:</b>	11/07/2017
<b>Total Attachments: 12</b>	

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**ASSIGNMENT OF PATENT RIGHTS**

This Assignment of Patent Rights (the "Assignment") is made by and between **Thomas J. ZUPANCIC**, an individual (the "Assignor") and **Fundamental Solutions Corporation**, a corporation with principal offices at 1550 Lehigh Drive, Easton, Pennsylvania 18042 (the "Assignee").

WHEREAS, I, the Assignor, have invented certain new and useful improvements in a

**BIOSENSOR SYSTEM FOR THE RAPID DETECTION OF ANALYTES**

for which an application for United States Letters Patent was filed with the United States Patent Trademark Office on March 31, 2016 as U.S. Patent Application No. 15/086,769; and

WHEREAS the Assignee is desirous of acquiring and securing the entire right, title and interest in and to this invention, the application for United States Letters Patent on this invention, and the United States Letters Patent to be issued upon this application.

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, the full and exclusive right to the invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid applications) and the entire right, title and interest in and to any and all Letters Patents which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with the Assignee, its successors and assigns, any facts known to me respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in the Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid the Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I, HEREBY authorize and request the attorneys I have empowered in the Power of Attorney associated with this application to insert above the filing date and application number of the application when known, if not known at the time of the execution hereof.

I HEREBY state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above. I also acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations §1.56.

I HEREBY acknowledge that any willful false statement made in this Assignment is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

Thomas J. Zupancic  
350 Andover Drive  
Powell, Ohio 43065

*Thomas J. Zupancic*  
\_\_\_\_\_  
Signature

Notary Public:

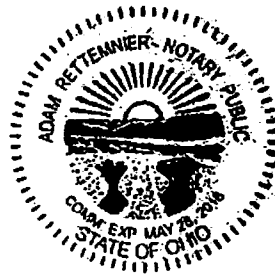
STATE OF: Ohio )

COUNTY OF: Franklin )

SS

Sworn to and subscribed before me, a Notary Public, on the 8<sup>th</sup> day of August, 2016.

*Adam Reitenmier*  
\_\_\_\_\_  
Notary Public



**ASSIGNMENT OF PATENT RIGHTS**

This Assignment of Patent Rights (the "Assignment") is made by and between **Lingchun ZENG**, an individual (the "Assignor"), and **Fundamental Solutions Corporation**, (the "Assignee"), a corporation with principal offices at 1550 Lehigh Drive, Easton, Pennsylvania 18042.

WHEREAS, I, the Assignor, have invented certain new and useful improvements in a

**BIOSENSOR SYSTEM FOR THE RAPID DETECTION OF ANALYTES**

for which an application for United States Letters Patent was filed with the United States Patent and Trademark Office on March 31, 2016 as U.S. Patent Application No. 15/086,769; and

WHEREAS the Assignee is desirous of acquiring and securing the entire right, title and interest in and to this invention, the application for United States Letters Patent on this invention, and the United States Letters Patent to be issued upon this application.

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, the full and exclusive right to the invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid applications) and the entire right, title and interest in and to any and all Letters Patents which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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Lingchun Zeng  
2720 Montcalm Road  
Upper Arlington, Ohio 43221

*Lingchun Zeng*  
\_\_\_\_\_  
Signature

Notary Public:

STATE OF: OHIO )

COUNTY OF: Franklin )

ss

Sworn to and subscribed before me, a Notary Public, on the 3<sup>rd</sup> day of August, 2016.

*[Handwritten Signature]*  
\_\_\_\_\_  
Notary Public



**ASSIGNMENT OF PATENT RIGHTS**

This Assignment of Patent Rights (the "Assignment") is made by and between **Srikanth VEDAMOORTHY**, an individual (the "Assignor"), and **Fundamental Solutions Corporation**, a corporation with principal offices at 1550 Lehigh Drive, Easton, Pennsylvania 18042 (the "Assignee").

WHEREAS, I, the Assignor, have invented certain new and useful improvements in a

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**ASSIGNMENT OF PATENT RIGHTS**

This Assignment of Patent Rights (the "Assignment") is made by and between **Joel S. LWANDE**, an individual (the "Assignor"), and **Fundamental Solutions Corporation**, a corporation with principal offices at 1550 Lehigh Drive, Easton, Pennsylvania 18042 (the "Assignee").

WHEREAS, I, the Assignor, have invented certain new and useful improvements in a

**BIOSENSOR SYSTEM FOR THE RAPID DETECTION OF ANALYTES**

for which an application for United States Letters Patent was filed with the United States Patent Trademark Office on March 31, 2016 as U.S. Patent Application No. 15/086,769; and

WHEREAS the Assignee is desirous of acquiring and securing the entire right, title and interest in and to this invention, the application for United States Letters Patent on this invention, and the United States Letters Patent to be issued upon this application.

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, the full and exclusive right to the invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid applications) and the entire right, title and interest in and to any and all Letters Patents which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

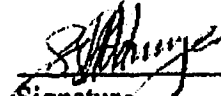
AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with the Assignee, its successors and assigns, any facts known to me respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in the Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid the Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

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Joel S. Lwande  
302 Altamont Drive  
Athens, Ohio 45701

  
\_\_\_\_\_  
Signature


Notary Public:

STATE OF: Ohio )  
COUNTY OF: Athen )

ss

Sworn to and subscribed before me, a Notary Public, on the 3<sup>rd</sup> day of August, 2016.



  
\_\_\_\_\_  
Notary Public

**ASSIGNMENT OF PATENT RIGHTS**

This Assignment of Patent Rights (the "Assignment") is made by and between **Joseph D. KITTLE**, an individual (the "Assignor"), and **Fundamental Solutions Corporation**, a corporation with principal offices at 1550 Lehigh Drive, Easton, Pennsylvania 18042 (the "Assignee").

WHEREAS, I, the Assignor, have invented certain new and useful improvements in a

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Min Mo  
7213 Mojave Street  
Dublin, Ohio 43017

*Min Mo*

Signature

Notary Public:

STATE OF: OHIO)

COUNTY OF: Franklin)

ss

Sworn to and subscribed before me, a Notary Public, on the 3<sup>rd</sup> day of August, 2016.

*[Handwritten Signature]*  
Notary Public

