

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|---|------------------------------|---------------|----------------------------|------------------------|------------------------------|---------------------|----------------|-----------------------|------------|---------------------|------------|-----------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>David D. Nolte</td> <td>02/07/2010</td> </tr> <tr> <td>Manoj Varma</td> <td>10/25/2010</td> </tr> <tr> <td>Fred E. Regnier</td> <td>12/06/2010</td> </tr> <tr> <td>Leilei Peng</td> <td>11/18/2010</td> </tr> <tr> <td>Ming Zhao</td> <td>11/18/2010</td> </tr> </tbody> </table> | | Name | Execution Date | David D. Nolte | 02/07/2010 | Manoj Varma | 10/25/2010 | Fred E. Regnier | 12/06/2010 | Leilei Peng | 11/18/2010 | Ming Zhao | 11/18/2010 |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Purdue Research Foundation</td> </tr> <tr> <td>Street Address:</td> <td>1281 Win Hentschel Boulevard</td> </tr> <tr> <td>City:</td> <td>West Lafayette</td> </tr> <tr> <td>State/Country:</td> <td>INDIANA</td> </tr> <tr> <td>Postal Code:</td> <td>47906</td> </tr> </table> | | Name: | Purdue Research Foundation | Street Address: | 1281 Win Hentschel Boulevard | City: | West Lafayette | State/Country: | INDIANA | Postal Code: | 47906 | | |
| Name: | Purdue Research Foundation | | | | | | | | | | | | |
| Street Address: | 1281 Win Hentschel Boulevard | | | | | | | | | | | | |
| City: | West Lafayette | | | | | | | | | | | | |
| State/Country: | INDIANA | | | | | | | | | | | | |
| Postal Code: | 47906 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 2 | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12466943</td> </tr> <tr> <td>Application Number:</td> <td>11345566</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12466943 | Application Number: | 11345566 | | | | | | |
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| Application Number: | 12466943 | | | | | | | | | | | | |
| Application Number: | 11345566 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: (317)237-1000</p> <p>Phone: 317-237-0300</p> <p>Email: inteas@bakerd.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Baker & Daniels LLP</p> <p>Address Line 1: 300 North Meridian Street</p> <p>Address Line 2: Suite 2700</p> <p>Address Line 4: Indianapolis, INDIANA 46204</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | PRF-P049 | | | | | | | | | | | | |

CH \$80.00 12466943

501694218

PATENT
REEL: 027077 FRAME: 0289

NAME OF SUBMITTER:

Jonathan B. Burns

Total Attachments: 11

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ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: PRF-P049 (53365.83)
64267.0A.US

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s) David D. Nolte,
of Inventor(s) Manoj Varma,
Fred E. Regnier,
Leilei Peng, and
Ming Zhao,

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled:

Title of
Application DIFFERENTIALLY ENCODED BIOLOGICAL ANALYZER PLANAR ARRAY
APPARATUS AND METHODS

Application Information for which an application for a United States Patent was filed May 15, 2009,
Application Serial No.: 12/466,943
and for which an application for a United States Patent was filed February 1, 2006,
Application Serial No.: 11/345,566
the undersigned hereby sell(s), assign(s), and set(s) over to

Name of
Assignee Purdue Research Foundation

Address of
principal
place of
business 1281 Win Hentschel Boulevard
West Lafayette, Indiana 47906

Insert State of
Incorporation a not-for-profit corporation of Indiana
(if applicable)
or "Not Applicable"

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application, including all priority rights for the United States and other countries arising therefrom including Canada and Mexico, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, which may be granted for such inventions, or any of them, any divisional, continuation, continuation-in-part, or reissue applications corresponding to the Application or such Letters Patent, and any reexamination of the Application of such Letters Patent, and any foreign patents or patent applications corresponding thereto, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue or reexamination thereof, and to

ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: PRF-P049 (53365.83)
64267.0A.US

cooperate with the Assignee in every way possible in obtaining evidence and going forward with such Interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment this 7th day of February, 2010.

Outside the USA:
Witnesses are _____
required when _____
acknowledgment _____
before a Notary _____
Public is not _____
feasible. _____
Witness

[Signature]
Inventor (Signature)
David D. Nolte
Inventor (Printed Name)

STATE OF Indiana)
COUNTY OF Tippecanoe) SS:



Acknowledged before me, a Notary Public, within and for said County and State, _____ hand and Notarial Seal this 7th day of February, 2010.

[Signature]
Notary Public
Gina Duncan Smutz
Printed Name

My Commission Expires: July 15, 2018

ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: PRF-P049 (53365.83)
64267.0A.US

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

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Name of Assignee Purdue Research Foundation

Address of principal place of business 1281 Win Hentschel Boulevard
West Lafayette, Indiana 47906

Insert State of Incorporation (if applicable) or "Not Applicable" a not-for-profit corporation of Indiana

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application, including all priority rights for the United States and other countries arising therefrom including Canada and Mexico, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, which may be granted for such inventions, or any of them, any divisional, continuation, continuation-in-part, or reissue applications corresponding to the Application or such Letters Patent, and any reexamination of the Application of such Letters Patent, and any foreign patents or patent applications corresponding thereto, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

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ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: PRF-P049 (53365.83)
64267.0A.US

Resident of _____ County.

IN WITNESS WHEREOF, I have executed this assignment this 25th day of October, 2010.

Outside the USA:

Witnesses are
required when
acknowledgment
before a Notary
Public is not
feasible.

[Signature]
Witness

[Signature]
Witness

[Signature]
Inventor (Signature)

Manoj Varma
Inventor (Printed Name)

STATE OF _____)
)SS:
COUNTY OF _____)

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this _____ day of _____, 2010.

Notary Public

Printed Name

My Commission Expires: _____

Resident of _____ County.

ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: PRF-P049 (53365.83)
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Attorney Docket No.: PRF-P049 (53365.83)
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IN WITNESS WHEREOF, I have executed this assignment this 18 day of November, 2010.

Outside the USA: _____
Witnesses are _____
required when _____
acknowledgment _____
before a Notary _____
Public is not _____
feasible. _____
Witness

Ming Zhao
Inventor (Signature)

Ming Zhao
Inventor (Printed Name)

STATE OF Arizona)
COUNTY OF Pima) SS:

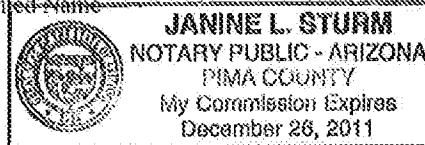
Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this 18 day of November, 2010.

Janine L. Sturm
Notary Public

Janine L. Sturm
Printed Name

My Commission Expires: Dec. 26, 2011

Resident of Pima County.



ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: PRF-P049 (53365.83)
64267.0A.US

IN WITNESS WHEREOF, I have executed this assignment this 18 day of Nov, 2010.

Outside the USA: _____
Witnesses are _____
required when _____
acknowledgment _____
before a Notary _____
Public is not _____
feasible. _____
Witness

Lei Lei Peng
Inventor (Signature)
Lei Lei Peng
Inventor (Printed Name)

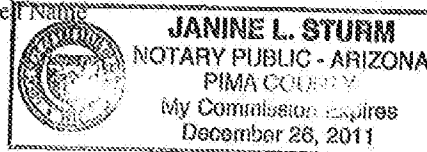
STATE OF Arizona)
COUNTY OF Pima)SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this 17 day of November, 2010.

Janine L. Sturm
Notary Public

Printed Name

My Commission Expires: Dec. 26, 2011
Resident of Pima County.



ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: PRF-P049 (53365.83)
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Address of
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Insert State of
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The undersigned hereby grant(s) the attorney of record the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment this _____ day of _____, 2010.

Outside the USA: _____
Witnesses are _____
required when _____
acknowledgment _____
before a Notary _____
Public is not _____
feasible. _____
Witness

Inventor (Signature)

David D. Nolte
Inventor (Printed Name)

STATE OF _____)
)SS:
COUNTY OF _____)

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this _____ day of _____, 2010.

Notary Public

Printed Name

My Commission Expires: _____

ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: PRF-P049 (53365.83)
64267.0A.US

Resident of _____, County.

IN WITNESS WHEREOF, I have executed this assignment this _____ day of _____, 2010.

Outside the USA: _____
Witnesses are required when acknowledgment before a Notary Public is not feasible. _____
Witness _____
Witness _____

Inventor (Signature)

Manoj Varma
Inventor (Printed Name)

STATE OF _____)
COUNTY OF _____)SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this _____ day of _____, 2010.

Notary Public

Printed Name

My Commission Expires: _____

Resident of _____, County.

ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: PRF-P049 (53365.83)
64267.0A.US

IN WITNESS WHEREOF, I have executed this assignment this 6th day of December, 2010.

Outside the USA: _____
Witnesses are _____
required when _____
acknowledgment _____
before a Notary _____
Public is not _____
feasible. _____
Witness

Fred E. Regnier
Inventor (Signature)

Fred E. Regnier
Inventor (Printed Name)

STATE OF _____)
COUNTY OF _____) SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this 6 day of December, 2010.

Gayle A. Searfoos
Notary Public

Gayle A Searfoos
Printed Name

My Commission Expires: _____

Resident of _____ County.

