

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Russell Hart</td><td>11/18/2011</td></tr><tr><td>Barbara Scheuer</td><td>11/18/2011</td></tr></tbody></table>		Name	Execution Date	Russell Hart	11/18/2011	Barbara Scheuer	11/18/2011				
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Russell Hart	11/18/2011										
Barbara Scheuer	11/18/2011										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Arbor Assays, LLC</td></tr><tr><td>Street Address:</td><td>1514 Eisenhower Place</td></tr><tr><td>City:</td><td>Ann Arbor</td></tr><tr><td>State/Country:</td><td>MICHIGAN</td></tr><tr><td>Postal Code:</td><td>48108</td></tr></table>		Name:	Arbor Assays, LLC	Street Address:	1514 Eisenhower Place	City:	Ann Arbor	State/Country:	MICHIGAN	Postal Code:	48108
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12353723</td></tr></tbody></table>		Property Type	Number	Application Number:	12353723						
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Application Number:	12353723										
CORRESPONDENCE DATA											
Fax Number: (734)913-6007											
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name: Julie K. Staple											
Address Line 1: PO Box 7021											
Address Line 4: Troy, MICHIGAN 48007											
ATTORNEY DOCKET NUMBER:	LUM-11002/47										
NAME OF SUBMITTER:	Julie K. Staple										
Total Attachments: 3 source=SCAN_5035_034406#page1.tif source=SCAN_5035_034406#page2.tif source=SCAN_5035_034406#page3.tif											

PATENT

501738982

REEL: 027303 FRAME: 0726

CH \$40.00 12353723

**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies):**

Russell Hart and Barbara Scheuer

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**2. Name and address of receiving party(ies)**

Name: Arbor Assays, LLC

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

1514 Eisenhower Place

City: Ann Arbor

State: Michigan

Country: United States of America Zip: 48108

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s): November 18, 2011

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/353,723

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Julie K. Staple  
GIFFORD, KRASS, SPRINKLE, ANDERSON  
& CITKOWSKI, P.C.

Internal Address: Atty. Dkt.: LUM-11002/47

Street Address: 2701 Troy Center Drive, Suite 330  
Post Office Box 7021

City: Troy

State: MI Zip: 48007-7021

Phone Number: (734) 913-9300

Fax Number: (734) 913-6007

Email Address: docket@patlaw.com

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 07-1180

Authorized User Name Julie K. Staple

**9. Signature:**

/Julie K. Staple/

Signature

November 30, 2011

Date

Julie K. Staple - 50,434

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Russell Hart and Barbara Scheuer (hereinafter referred to as Assignors), residing at 237 Jefferson Street, Chelsea, Michigan 48118; and 237 Jefferson Street, Chelsea, Michigan 48118, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in **METHODS OF ASSAYING ENZYME-MEDIATED OXIDATIVE DEMETHYLATION**, set forth U.S. patent application Serial No. 12/353,723, filed on January 14, 2009; and

**WHEREAS**, Arbor Assays, LLC, having its principal place of business at 1514 Eisenhower Place, Ann Arbor, Michigan 48108 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that 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, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and

assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.


AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.


AND Assignors hereby grant the following individuals 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:

GIFFORD, KRASS, SPRINKLE, ANDERSON & CITKOWSKI, P.C.

All practitioners at Customer Number 25006

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 18 November 2011 Signature:   
Russell Hart

Date: Nov. 18, 2011 Signature:   
Barbara Scheuer