

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EZRA S. ABRAMS	06/02/2017
DANNY YUN	06/02/2017
TODD J. BARBERA	06/02/2017
DOUGLAS GROSVENOR SABIN	06/07/2017
T. CHRISTIAN BOLES	06/02/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAGE SCIENCE, INC.
<b>Street Address:</b>	500 CUMMINGS CENTER
<b>City:</b>	BEVERLY
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01915
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16192520
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)842-7899
<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>Phone:</b>	2124796338
<b>Email:</b>	zIPPatentDocketingMailboxUS@cooley.com
<b>Correspondent Name:</b>	BRIAN P. HOPKINS
<b>Address Line 1:</b>	1299 PENNSYLVANIA AVENUE
<b>Address Line 2:</b>	COOLEY LLP
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	SAGS-007C01US 322059-2073
<b>NAME OF SUBMITTER:</b>	BRIAN P. HOPKINS
<b>SIGNATURE:</b>	/BRIAN P. HOPKINS/
<b>DATE SIGNED:</b>	11/25/2019
<b>Total Attachments: 9</b>	

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## ASSIGNMENT

**Ezra S. ABRAMS**, residing at 4 Colbert Road, Newton, MA 02465; **Danny YUN**, residing at 22 Homestead Circle, S. Hamilton, MA 01982; **Todd J. BARBERA** residing at 75 Naugus Avenue, Marblehead, MA 01945; **Douglas Grosvenor SABIN**, residing at 52 Rockaway Avenue, Marblehead MA 01945 and **T. Christian BOLES**, residing at 243 Concord Road, Bedford MA 01730; (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **APPARATUSES, METHODS AND SYSTEMS FOR AUTOMATED PROCESSING OF NUCLEIC ACIDS AND ELECTROPHORETIC SMAPLE PREPARTION**, and which is a:

- (1)  provisional application
  - (a)  to be filed herewith; or
  - (b)  bearing Application No. 62/183,514, and filed on June 23, 2015;
  
- (2)  non-provisional application
  - (a)  to be filed herewith; or
  - (b)  bearing Application No. 15/519,516, and filed on April 14, 2017.
  
- (3)  PCT application
  - (a)  bearing Application No. PCT/US2015/055833, and filed on October 15, 2015.

**WHEREAS, Sage Science, Inc.**, a corporation having its principal place of business at 500 Cummings Center, Suite 2400, Beverly MA 01915 its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

(a) the Invention(s);

(b) the application(s) for patent identified above;

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any substitute application(s), division(s), continuation(s), and continuation(s)-in-part;

(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

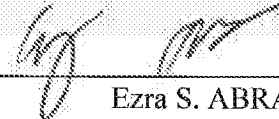
The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) 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.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: June 2017

By:   
Ezra S. ABRAMS

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

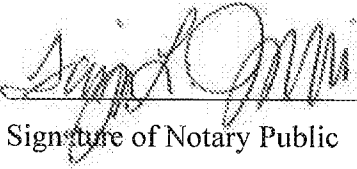
State of MA )  
County of ESSEX ) ss.

On June 2nd 2017, before me, Ezra Abrams,  
Notary Public, personally appeared MA Drivers License,

who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

  
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: May 1st 2020

Date: 6/2/17

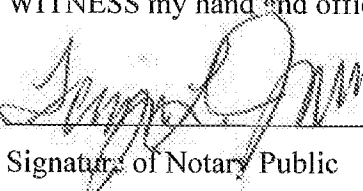
By:   
Danny Yun

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State of MA )  
 County of ESSEX ) ss.  
 On June 2nd 2017, before me, Danny Yun,  
 Notary Public, personally appeared MA Drivers License,  
 who proved to me on the basis of satisfactory evidence, to be the person(s) whose  
 name(s) is/are subscribed to the within instrument and acknowledged to me that  
 he/she/they executed the same in his/her/their authorized capacity(ies), and that by  
 his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of  
 which the person(s) acted, executed the instrument.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under  
 PENALTY OF PERJURY under the laws of the State of California that the foregoing  
 paragraph is true and correct.

WITNESS my hand and official seal.

  
 Signature of Notary Public

Place Notary Seal Above

My Commission Expires: May 1st 2020

Date: 6/2/2017

By: [Signature]

Todd J. Barbera

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of MA )  
County of Essex ) ss.

On June 2nd 2017, before me, Todd Barbera,

Notary Public, personally appeared \_\_\_\_\_,

who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]  
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: May 1st 2020



Date: 6/7/2017

By: Douglas Grosvenor Sabin  
Douglas Grosvenor Sabin

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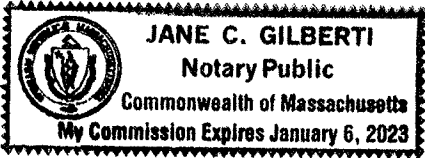
State of MA

County of MIDDLESEX ss.

On June 7, 2017, before me, Jane C Gilberti,  
Notary Public, personally appeared Douglas G Sabin,  
who proved to me on the basis of satisfactory evidence, to be the person(s) whose  
name(s) is/are subscribed to the within instrument and acknowledged to me that  
he/she/they executed the same in his/her/their authorized capacity(ies), and that by  
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of  
which the person(s) acted, executed the instrument.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under  
PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.  
Jane C Gilberti  
Signature of Notary Public



Place Notary Seal Above

My Commission Expires: 1-6-2023

Date: 6-2-2017

By: T. Christian Boles  
T. Christian Boles

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of MA )  
 County of Essex ) ss.  
 On June 2nd 2017, before me, T. Christian Boles,  
 Notary Public, personally appeared MA Drivers License,  
 who proved to me on the basis of satisfactory evidence, to be the person(s) whose  
 name(s) is/are subscribed to the within instrument and acknowledged to me that  
 he/she/they executed the same in his/her/their authorized capacity(ies), and that by  
 his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of  
 which the person(s) acted, executed the instrument.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under  
 PENALTY OF PERJURY under the laws of the State of California that the foregoing  
 paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]  
 Signature of Notary Public

Place Notary Seal Above

My Commission Expires: May 1st 2020

For and on behalf of ASSIGNEE:

Date: 6-2-2017

By: T. Christian Boles  
Name: T. CHRISTIAN BOLES  
Title: CHIEF SCIENTIFIC OFFICER  
Company: Sage Science, Inc.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of MA  
County of Essex ss.

On June 2<sup>nd</sup> 2017, before me, T. Christian Boles,  
Notary Public, personally appeared MA Drivers License,

who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]  
Signature of Notary Public

Place Notary Seal Above

My Commission Expires: May 1<sup>st</sup> 2020