

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4319702

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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>         |
| ETHAN DMITROVSKY                                                                                                                                                                                | 02/28/2017                    |
| ELIZABETH NOWAK                                                                                                                                                                                 | 03/03/2017                    |
| RANDOLPH NOELLE                                                                                                                                                                                 | 03/03/2017                    |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                               |
| <b>Name:</b>                                                                                                                                                                                    | TRUSTEES OF DARTMOUTH COLLEGE |
| <b>Street Address:</b>                                                                                                                                                                          | 11 ROPE FERRY ROAD            |
| <b>Internal Address:</b>                                                                                                                                                                        | #6210                         |
| <b>City:</b>                                                                                                                                                                                    | HANOVER                       |
| <b>State/Country:</b>                                                                                                                                                                           | NEW HAMPSHIRE                 |
| <b>Postal Code:</b>                                                                                                                                                                             | 03755-1404                    |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                               |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                 |
| Application Number:                                                                                                                                                                             | 14507730                      |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                               |
| <b>Fax Number:</b>                                                                                                                                                                              | (949)253-0902                 |
| <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>                                                                                                                                                                                   | 9490253-0900                  |
| <b>Email:</b>                                                                                                                                                                                   | ocpatents@klgates.com         |
| <b>Correspondent Name:</b>                                                                                                                                                                      | K&L GATES LLP                 |
| <b>Address Line 1:</b>                                                                                                                                                                          | 1 PARK PLAZA                  |
| <b>Address Line 2:</b>                                                                                                                                                                          | TWELFTH FLOOR                 |
| <b>Address Line 4:</b>                                                                                                                                                                          | IRVINE, CALIFORNIA 92614      |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 1958481.00017                 |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | DOROTHY L. CHAMBERS           |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /DOROTHY L. CHAMBERS/         |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 03/15/2017                    |
| <b>Total Attachments: 4</b>                                                                                                                                                                     |                               |
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## ASSIGNMENT

**THIS ASSIGNMENT** is made by **Ethan Dmitrovsky, Elizabeth Nowak, and Randolph Noelle** (hereafter, together with any successors, legal representatives, or assigns thereof, "ASSIGNORS") to **Trustees of Dartmouth College**, a college duly organized and existing under and by the laws of the State of New Hampshire and having its principal place of business at 11 Rope Ferry Road, #6210, Hanover, NH 03755-1404, (hereafter, together with any successors, legal representatives, or assigns thereof, "ASSIGNEE").

**WHEREAS**, ASSIGNORS have invented and own rights in, to and under a new and useful invention for which an application(s) for Letters Patent has been filed as indicated below (hereafter "Invention");

|                         |                       |                               |
|-------------------------|-----------------------|-------------------------------|
| U.S. Patent Application | filed October 6, 2014 | bearing Serial No. 14/507,730 |
| U.S. Patent Application | filed October 7, 2013 | bearing Serial No. 61/887,529 |

**WHEREAS**, ASSIGNORS believe themselves to be the original and true inventors of the Invention;

**WHEREAS**, ASSIGNEE desires to acquire the Invention and improvements thereto;

**AND WHEREAS**, ASSIGNORS and ASSIGNEE desire to have a recordable instrument assigning ASSIGNEE as owners of the entire right, title and interest in, to, and under the Invention and improvements thereto owned by ASSIGNORS;

**NOW THEREFORE**, for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, convey, endorse, and hereby set over unto ASSIGNEE the full and exclusive right, title and interest in, to and under the Invention to be held and enjoyed by ASSIGNEE, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment and sale not been made including the full and exclusive right, title and interest in, to and under 1) any patent application, or any other legal instrument equivalent thereof, including, without limitation, continuation, division, continuation-in-part, substitute, reexamination, renewal, inventor's certificate, and utility model, which has been or may be submitted therefor and thereon anywhere in the World, such term defined herein as including the United States of America, its territorial possessions, and any and all foreign countries under national laws or under the provisions of the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, or any other international treaty equivalent thereof; 2) any Letters Patent, or any other legal instrument equivalent thereof, which has been or may be granted therefor and thereon, in the World, for the full term or terms for which the same may be granted; 3) any reissue, extension, or any other legal instrument equivalent thereof, on any patent application or Letters Patent which has been or may be granted therefor and thereon in the World; and 4) any right to claim priority to a filing date, or any other legal equivalent thereof, which has been or may be claimed by any patent application or Letters Patent therefor and thereon in the World.

ASSIGNORS hereby covenant and agree to perform any lawful action when deemed essential by and to ASSIGNEE's full enjoyment, protection, enforcement and title in, to and under the Invention and rights hereby transferred, including, but not limited to, promptly communicating and providing any and all known and accessible facts, data or any other pertinent information; promptly executing and delivering any and all papers, documents, forms, declarations, oaths, affidavits or any other legal instrument; promptly assisting and participating in any and all depositions, hearings, proceedings, trials, appeals, or any other legal procedure; promptly

testifying under oath in any and all interference, post grant review, litigation or any other administrative or judicial proceeding; and promptly completing any and all actions necessary or desirable to carry out any and all purposes thereof, relating to any and all proceedings in connection with the submission, procurement, issuance, maintenance, enforcement or defense of the invention and rights hereby transferred.

The undersigned hereby grant to the firm of K&L Gates LLP, 1 Park Plaza, 12th Floor, Irvine, CA 92614, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

IN TESTIMONY WHEREOF, I hereunder set my hand this 28 day of February, 2017.

ASSIGNOR

Ethan Dmitrovsky

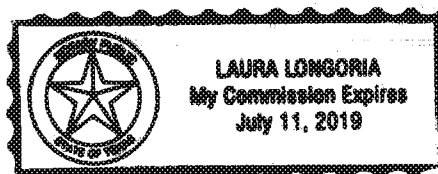
Ethan Dmitrovsky  
Signature

State of Texas )  
 ) ss.:  
County of Harris )

On this 28 day of February, 2017 before me, Ethan Dmitrovsky, personally appeared Ethan Dmitrovsky, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.

Laura Longoria  
Notary Public



IN TESTIMONY WHEREOF, I hereunder set my hand this 3 day of March, 2017.

ASSIGNOR

Elizabeth Nowak

Elizabeth Nowak  
Signature

State of New Hampshire)

County of Grafton)

ss.:

On this 3 day of March, 2017, before me, Brenda K. Berube, personally appeared Elizabeth Nowak, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.

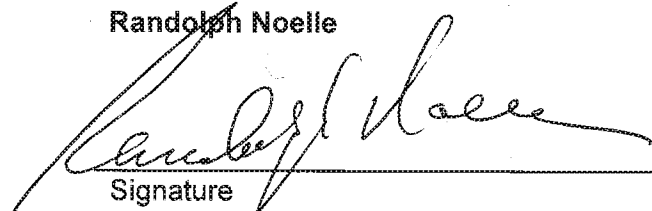
Brenda K. Berube  
Notary Public

BRENDA K. BERUBE  
Notary Public, State of New Hampshire  
My Commission Expires March 9, 2021

IN TESTIMONY WHEREOF, I hereunder set my hand this 3 day of March, 2017.

ASSIGNOR

Randolph Noelle

  
Signature

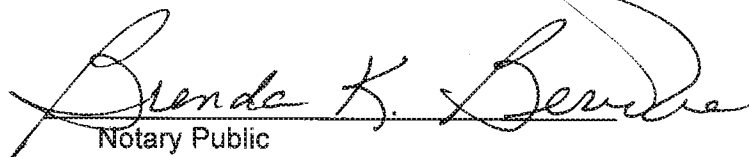
State of New Hampshire )

County of Grafton )

ss.:

On this 3 day of March, 2017, before me, Brenda K. Berube, personally appeared Randolph Noelle, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal.

  
Notary Public

BRENDA K. BERUBE  
Notary Public, State of New Hampshire  
My Commission Expires March 9, 2021