

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3419115

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JEFFREY T BORENSTEIN	05/15/2015
JOSEPH L CHAREST	05/13/2015
CHRIS DIBIASIO	05/08/2015
VIOLET FINLEY	05/07/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE CHARLES STARK DRAPER LABORATORY, INC.
<b>Street Address:</b>	555 TECHNOLOGY SQUARE
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14487915
<b>PCT Number:</b>	US2014055906
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)344-8300
<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>	2023444000
<b>Email:</b>	msebastian@venable.com
<b>Correspondent Name:</b>	VENABLE LLP
<b>Address Line 1:</b>	575 7TH ST NW
<b>Address Line 2:</b>	18668-371342/MVF
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	18668-371342
<b>NAME OF SUBMITTER:</b>	MICHELE V. FRANK
<b>SIGNATURE:</b>	/Michele V. Frank/
<b>DATE SIGNED:</b>	06/30/2015
<b>Total Attachments: 7</b>	

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source=assignment from inventors to Draper#page2.tif  
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source=assignment from inventors to Draper#page6.tif  
source=assignment from inventors to Draper#page7.tif

**ASSIGNMENT**

**WHEREAS, Jeffrey T. BORENSTEIN**, residing at 11 Hemlock Road, Newton, MA 02464, **Joseph L. CHAREST**, residing at 85 Rockview Street, Unit 1, Boston, MA 02130, **Chris DiBIASIO**, residing at 11 Alger Way, Stoughton, MA 02072, and **Violet FINLEY**, residing at 115 Burget Avenue, Medford, MA 02155, (hereinafter referred to as Assignors); have made certain new and useful inventions, discoveries or improvements in

**MICROFLUIDIC ORGAN ASSIST DEVICE INCORPORATING  
BOUNDARY LAYER DISRUPTERS,**

set forth in an application for Letters Patent in the United States filed **September 16, 2014**, as U.S. Application Serial No. **14/487,915**;

a PCT International Application and that was filed **September 16, 2014**, in the International Bureau, as International Application No. **PCT/US14/055906**, the U.S. being designated; and

a provisional patent application in the United States filed **September 16, 2013**, as U.S. Application Serial No. **61/878,394**;

**WHEREAS, THE CHARLES STARK DRAPER LABORATORY, INC.**, organized under and pursuant to the laws of Massachusetts, having its principal place of business at 555 Technology Square, Cambridge, MA 02139 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said invention and said applications for Letters Patent, and in and to any Letters Patent of the United States and all foreign countries to be obtained therefore and therefrom.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is 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, discoveries, and applications for Letters Patent, and in

**ASSIGNMENT**

and to any and all provisional rights or applications, direct or indirect divisions, continuations and continuations-in-part of said application, and any application claiming priority to said application, and any and all Letters Patent in the United States and all foreign countries which may be granted for said invention or application, and reissues, reexaminations and extensions of said Letters Patent, and in and to any and all priority rights, Convention rights including under the International Convention for the Protection of Industrial Property, and the right to recover for past infringement, and other benefits accruing or to accrue with respect to the applications for patents or patents secured in the United States and other countries, 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.

**AND** for the same consideration, Assignors 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 invention, and said application for Letters Patent and/or said applications 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 set forth in this Assignment.

**AND** for the same consideration, Assignors 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 application for said invention, 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 discoveries, or said applications, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said invention or discoveries in any country, including but not limited to post grant reivew and *inter partes* review, is lawful and desirable; or, that any provisional, conventional, division, continuation or continuation-in-part of any application for Letters Patent and any

**ASSIGNMENT**

application claiming priority to said applications, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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

**AND** Assignors grant their legal representative, at present the following individuals, the power to insert on, update or otherwise amend this Assignment with any further identification necessary or desirable to comply with the rules of the United States Patent and Trademark Office or any foreign country, and to record the document:


All practitioners at Customer Number **93358**

**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee.

Docket Number: 18668-372341 (0801PTUS)  
Joint Inventors

**ASSIGNMENT**

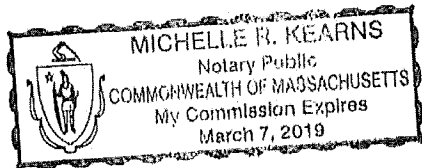
IN TESTIMONY WHEREOF, Assignor executes this Assignment,

  
\_\_\_\_\_  
Jeffrey T. BORENSTEIN  
Date: 5/15/15

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 15<sup>th</sup> day of May, 2015, before me, a Notary Public, personally came Jeffrey Borenstein to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

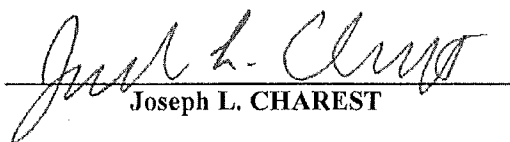
  
\_\_\_\_\_  
Notary Public



Docket Number: 18668-372341 (0801PTUS)  
Joint Inventors

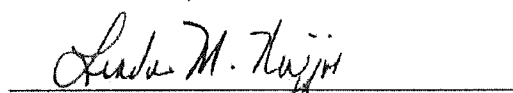
**ASSIGNMENT**

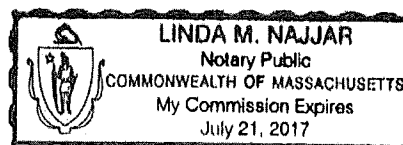
IN TESTIMONY WHEREOF, Assignor executes this Assignment,

  
\_\_\_\_\_  
Joseph L. CHAREST  
Date: 13 MAY 2015

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 13<sup>th</sup> day of May, 2015, before me, a Notary Public, personally came J. Charest, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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



Docket Number: 18668-372341 (0801PTUS)  
Joint Inventors

**ASSIGNMENT**

IN TESTIMONY WHEREOF, Assignor executes this Assignment,



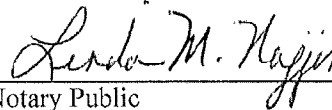
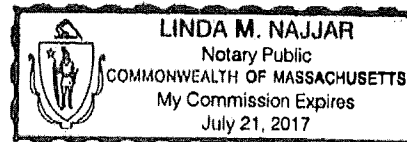
Chris DiBIASIO

Date:

5/8/15

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 8<sup>th</sup> day of May, 2015, before me, a Notary Public, personally came C. DiBiasio known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public



Docket Number: 18668-372341 (0801PTUS)  
Joint Inventors

**ASSIGNMENT**

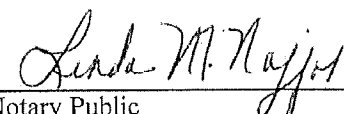
IN TESTIMONY WHEREOF, Assignor executes this Assignment,

  
\_\_\_\_\_  
Violet FINLEY

Date: 5-7-15

United States of America )  
State of Massachusetts ) ss.:  
County of Middlesex )

On this 7<sup>th</sup> day of May, 2015, before me, a Notary Public, personally came V. Finley, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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

