

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																				
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																				
<b>CONVEYING PARTY DATA</b>																					
<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>Myron Weisfeldt</td><td>04/07/2011</td></tr> <tr><td>Soumyadipta Acharya</td><td>04/15/2011</td></tr> <tr><td>Courtney C. Haswell</td><td>03/18/2011</td></tr> <tr><td>Hargun S. Khanna</td><td>01/07/2011</td></tr> <tr><td>Yun Long</td><td>03/15/2011</td></tr> <tr><td>Vanessa C. Pau</td><td>04/14/2011</td></tr> <tr><td>Girish K. Singhal</td><td>02/08/2011</td></tr> <tr><td>Nimra Taqi</td><td>04/05/2011</td></tr> <tr><td>Lu Zhao</td><td>04/08/2011</td></tr> </tbody> </table>		Name	Execution Date	Myron Weisfeldt	04/07/2011	Soumyadipta Acharya	04/15/2011	Courtney C. Haswell	03/18/2011	Hargun S. Khanna	01/07/2011	Yun Long	03/15/2011	Vanessa C. Pau	04/14/2011	Girish K. Singhal	02/08/2011	Nimra Taqi	04/05/2011	Lu Zhao	04/08/2011
Name	Execution Date																				
Myron Weisfeldt	04/07/2011																				
Soumyadipta Acharya	04/15/2011																				
Courtney C. Haswell	03/18/2011																				
Hargun S. Khanna	01/07/2011																				
Yun Long	03/15/2011																				
Vanessa C. Pau	04/14/2011																				
Girish K. Singhal	02/08/2011																				
Nimra Taqi	04/05/2011																				
Lu Zhao	04/08/2011																				
<b>RECEIVING PARTY DATA</b>																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%;">Name:</td><td>The Johns Hopkins University</td></tr> <tr><td>Street Address:</td><td>3400 N. Charles Street</td></tr> <tr><td>City:</td><td>Baltimore</td></tr> <tr><td>State/Country:</td><td>MARYLAND</td></tr> <tr><td>Postal Code:</td><td>21218</td></tr> </table>		Name:	The Johns Hopkins University	Street Address:	3400 N. Charles Street	City:	Baltimore	State/Country:	MARYLAND	Postal Code:	21218										
Name:	The Johns Hopkins University																				
Street Address:	3400 N. Charles Street																				
City:	Baltimore																				
State/Country:	MARYLAND																				
Postal Code:	21218																				
<b>PROPERTY NUMBERS Total: 1</b>																					
<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>12990738</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12990738																
Property Type	Number																				
Application Number:	12990738																				
<b>CORRESPONDENCE DATA</b>																					
<p>Fax Number: (617)227-4420</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-239-0100</p> <p>Email: patent@eapdlaw.com</p> <p>Correspondent Name: Edwards Angell Palmer &amp; Dodge LLP</p> <p>Address Line 1: P.O. Box 55874</p> <p>Address Line 4: Boston, MASSACHUSETTS 02205</p>																					

CH \$40.00 12990738

501545265

**PATENT**  
**REEL: 026346 FRAME: 0425**

ATTORNEY DOCKET NUMBER:	83987(71699)
NAME OF SUBMITTER:	Melissa Hunter-Ensor, PH.D., Esq.
<p>Total Attachments: 13</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p> <p>source=Assignment#page3.tif</p> <p>source=Assignment#page4.tif</p> <p>source=Assignment#page5.tif</p> <p>source=Assignment#page6.tif</p> <p>source=Assignment#page7.tif</p> <p>source=Assignment#page8.tif</p> <p>source=Assignment#page9.tif</p> <p>source=Assignment#page10.tif</p> <p>source=Assignment#page11.tif</p> <p>source=Assignment#page12.tif</p> <p>source=Assignment#page13.tif</p>	

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Myron Weisfeldt; Soumyadipta Acharya; Courtney C. Haswell; Hargun S. Khanna; Yun Long; Vanessa C. Pau; Girish K. Singhal; Nimra Taqi; and Lu Zhao (hereinafter referred to as Assignors), residing at 1257 Dockside Circle, Baltimore, Maryland 21224; 3972 Edgehill Avenue, Apt. B1, Baltimore, Maryland 21211; 3022 N. Calvert St. #1, Baltimore, Maryland 21218; 3501 Saint Paul St. Apt. 808, Baltimore, Maryland 21218; 500W University Pkwy. Apt. #16K, Baltimore, Maryland 21210; 2647 N. Calvert St., Baltimore, Maryland 21218; 3004 North Calvert Street Apt. 1, Baltimore, Maryland 21218; 2735 N Charles St. Apt. 3, Baltimore, Maryland 21218; and 3501 Saint Paul Street, Apt. 1044, Baltimore, Maryland 21218, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in PORTABLE NEGATIVE PRESSURE VENTILATION DEVICE AND METHODS AND SOFTWARE RELATED THERETO, set forth in a Patent application for which an International Application was filed on May 4, 2009, PCT/US2009/002786, designating the United States; and

**WHEREAS**, The Johns Hopkins University, a University organized under and pursuant to the laws of Maryland having its principal place of business at 3400 N. Charles Street, Baltimore, Maryland 21218 (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**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt 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:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 49383

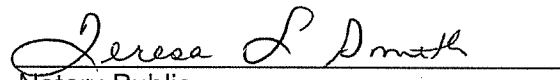
**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

  
Myron Weisfeldt

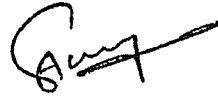
Date: 4/7/2011

United States of America )  
State of Maryland ) ss.:  
County of Harford )

On this 8<sup>th</sup> day of April, 2011, before me  
personally came Myron Weisfeldt, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public Teresa L Smith

*my commission expires 07/02/2012*

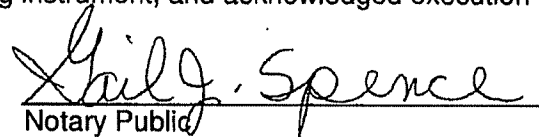


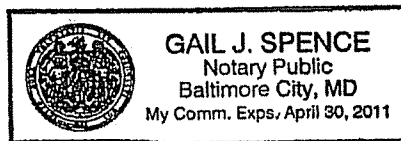
Soumyadipta Acharya

Date: 04-15-2011

United States of America )  
State of MARYLAND ) ss.: 285-06-5166  
County of BALTIMORE CITY )

On this 15<sup>th</sup> day of APRIL, 2011, before me  
personally came Soumyadipta Acharya, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public

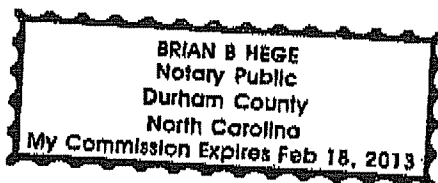


Courtney C. Haswell  
Courtney C. Haswell

Date: 3/18/2011

United States of America )  
State of North Carolina ) ss.:  
County of Durham )

On this 18th day of March, 2011, before me  
personally came Courtney C. Haswell, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.



Brian B. Hege  
Notary Public



Hargun S. Khanna  
Hargun S. Khanna

Date: 01/07/2011

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, before me  
personally came Hargun S. Khanna, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

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

*See attached acknowledgement*

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of San Mateo

On 1/7/11

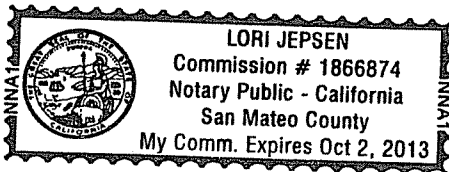
Date

before me, Lori Jepsen, Notary Public

Here Insert Name and Title of the Officer

personally appeared Hargun Singh Khanna

Name(s) of Signer(s)



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.

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 Lori Jepsen

Signature of Notary Public

Place Notary Seal Above

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

- ☐ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

Signer's Name: \_\_\_\_\_

- ☐ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

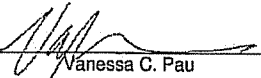
Yun Long  
Yun Long

Date: 03/15/2011

United States of America )  
State of California ) ss.:  
County of Santa Clara )

On this 15 day of March, 2011, before me  
personally came Yun Long, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

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

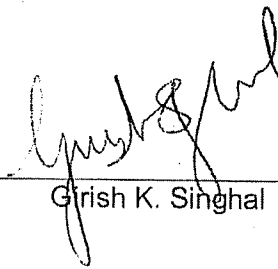
  
\_\_\_\_\_  
Vanessa C. Pau

Date: April 14, 2011

United States of America )  
State of Minnesota ) ss.:  
County of Hennepin )

On this 14<sup>th</sup> day of April, 2011, before me  
personally came Vanessa C. Pau, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

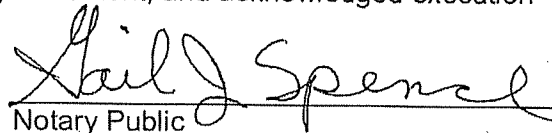
\_\_\_\_\_  
Notary Public

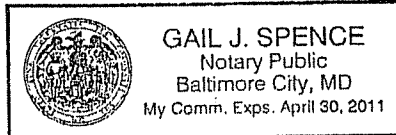
  
Girish K. Singhal

Date: 02/08/2011

United States of America )  
State of Maryland ) ss.:  
County of Baltimore City

On this Eighth day of February, 2011, before me  
personally came Girish K. Singhal, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

  
Notary Public



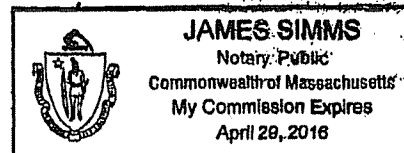
Nimra Taqi  
Nimra Taqi

Date: 4/5/2011

United States of America )  
State of MASSACHUSETTS ) ss.:  
County of SUFFOLK )

On this 5<sup>TH</sup> day of April, 2011, before me  
personally came Nimra Taqi, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

James Simms  
Notary Public





Lu Zhao

Date: 2011. 4. 8

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, before me  
personally came Lu Zhao, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

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