

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Murali K. Cherukuri</td> <td>09/26/2013</td> </tr> <tr> <td>Marcelino Bernardo</td> <td>09/26/2013</td> </tr> <tr> <td>Nallathamby Devasahayam</td> <td>09/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	Murali K. Cherukuri	09/26/2013	Marcelino Bernardo	09/26/2013	Nallathamby Devasahayam	09/26/2013		
Name	Execution Date										
Murali K. Cherukuri	09/26/2013										
Marcelino Bernardo	09/26/2013										
Nallathamby Devasahayam	09/26/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>The Government, Office of Technology Transfer, National Institutes of Health</td> </tr> <tr> <td>Street Address:</td> <td>6011 Executive Boulevard, Suite 325, MSC 7660</td> </tr> <tr> <td>City:</td> <td>Bethesda</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>20892-7660</td> </tr> </table>		Name:	The Government, Office of Technology Transfer, National Institutes of Health	Street Address:	6011 Executive Boulevard, Suite 325, MSC 7660	City:	Bethesda	State/Country:	MARYLAND	Postal Code:	20892-7660
Name:	The Government, Office of Technology Transfer, National Institutes of Health										
Street Address:	6011 Executive Boulevard, Suite 325, MSC 7660										
City:	Bethesda										
State/Country:	MARYLAND										
Postal Code:	20892-7660										
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>14038948</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14038948						
Property Type	Number										
Application Number:	14038948										
CORRESPONDENCE DATA											
Fax Number: 2622688185 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 2622688100 Email: info@zpspatents.com Correspondent Name: Ziolkowski Patent Solutions Group, SC Address Line 1: 136 South Wisconsin Street Address Line 4: Port Washington, WISCONSIN 53074											
ATTORNEY DOCKET NUMBER:	265947-1 (GEL8083.194)										
NAME OF SUBMITTER:	Robyn L. Templin										
Signature:	/Robyn L. Templin/										
Date:	09/27/2013										
Total Attachments: 3 source=Assignment-NIH#page1.tif source=Assignment-NIH#page2.tif source=Assignment-NIH#page3.tif											

OP \$40.00 14038948

**ASSIGNMENT FOR NIH/FDA INVENTIONS  
(NIH OR FDA CO-INVENTORS ONLY)**

**WHEREAS**, I/we, Murali K. Cherukuri, residing in Maryland, USA; Marcelino Bernardo, residing in Maryland, USA; and Nallathamby Devasahayam, residing in Maryland, USA, [hereinafter **The Inventors**], employees of the National Institutes of Health, a component of the United States Department of Health and Human Services having an address at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660, have made certain inventions as described and claimed in the following patents of patent applications:

Serial Number	Filing Date	Title
US 14/038,948	September 27, 2013	HYPERPOLARIZED MEDIA TRANSPORT VESSEL

("U.S. Application;" hereinafter) and;

**WHEREAS**, I/we are the applicant(s) named in the above-identified U.S. Application; and

**WHEREAS**, the inventions described and claimed therein were made under conditions such as to entitle **THE UNITED STATES OF AMERICA, as represented by the Secretary, Department of Health and Human Services** [hereinafter **THE GOVERNMENT**] under Executive Order 10096 and its amendments, 35 USC §§200-201, §§206-207, and §210 and 37 CFR Part 501 to the entire right, title, and interest in such inventions; and

**WHEREAS, THE GOVERNMENT** is desirous of acquiring all domestic and foreign right, title, and interest in the inventions described and claimed in the U.S. Application; and

**NOW, THEREFORE**, having the legal obligation to assign my/our right, title and interest in the inventions described and claimed in the above-identified patent application to **THE GOVERNMENT**, having a place of business at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660 and for consideration, the receipt and sufficiency of which are hereby acknowledged, I/we hereby assign and transfer to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in said U.S. Application and any and all Letters Patent which may be granted thereon, and any and all continuations, divisions, reissues or extensions thereof; and

all rights to claim priority on the basis of said U.S. Application including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

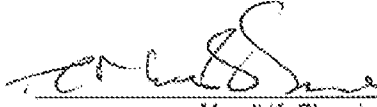
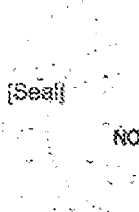
all applications for Letters Patent that may be filed for any and all inventions described and claimed in said U.S. Application that may be filed in any foreign country and all Letters Patents that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patents as may be granted in the United States or any foreign country to be held by **THE GOVERNMENT** to the end of the term for which the same would have been held by the inventors had this assignment not been made.

I/we further agree to make, execute, and deliver to **THE GOVERNMENT**, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist **THE**

GOVERNMENT in every way as may be requested in protecting said invention. THE GOVERNMENT promises to pay any reasonable expenses incurred by The inventors in making, executing and delivering of such papers to THE GOVERNMENT.

IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

Inventor 1:	
9/26/2013 Date	 Murali K. Cherukuri
County of <u>Montgomery</u>	Ss:
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>26<sup>th</sup></u> day of <u>September</u> , <u>2013</u>	
[Seal]  CELITO C. CORDOVA NOTARY PUBLIC STATE OF MARYLAND My Commission Expires May 8, 2017	Notary Public for _____ My Commission Expires: _____

**Inventor 2:**

9/26/13  
Date

MBernard  
Marcelino Bernardo

County of Montgomery Ss:

State of Maryland

Subscribed and sworn to before me this 26 day of September, 2013.

[Seal]

[Signature]  
Embossed Hereon is My  
Notary Public Seal  
My Commission Expires April 18, 2016  
MICHAEL LUM

**Inventor 3:**

9/26/2013  
Date

[Signature]  
Nallathambi Devasahayam

County of Montgomery Ss:

State of Maryland

Subscribed and sworn to before me this 26 day of September, 2013.

[Seal]

[Signature]  
CELITO C. CORDOVA  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires May 8, 2017

Notary Public for \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_