

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4984529

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SENTHILKUMAR SADHASIVAM	02/06/2012
VIDYA CHIDAMBARAN	02/06/2012
JOHN MCAULIFFE	02/06/2012
KEJIAN ZHANG	02/03/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CHILDREN'S HOSPITAL MEDICAL CENTER
<b>Street Address:</b>	3333 BURNET AVENUE
<b>City:</b>	CINCINNATI
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	45229
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15915581
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(513)636-8453
<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>	513-803-8578
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<b>Correspondent Name:</b>	LORETTA SHIRK
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<b>ATTORNEY DOCKET NUMBER:</b>	2010-0914C1
<b>NAME OF SUBMITTER:</b>	LORETTA SHIRK
<b>SIGNATURE:</b>	/Loretta Shirk/
<b>DATE SIGNED:</b>	05/31/2018
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

WHEREAS, We, Senthilkumar SADHASIVAM, a citizen of India, residing at 5357 Mapledale Way, Mason, OH 45040, Vidya CHILDAMBARAN, a citizen of India, residing at 8782 Brooks Creek Drive, #1526, Cincinnati, OH 45249, John MCAULIFFE, a citizen of the United States, residing at 3260 Lamarc Trail, Cincinnati, OH 45241, and Kejian ZHANG, a citizen of the United States, residing at 7616 Holliston Place, Cincinnati, OH 45255, have invented certain new and useful improvements in METHODS AND COMPOSITIONS FOR CONDUCTING GENETIC PROFILING AND PERSONALIZATION OF SURGICAL ANALGESIA for which a provisional application was filed in the United States, identified by the application number and filing date noted above (the "Application");

AND WHEREAS, Children's Hospital Medical Center, a not-for-profit organization, with a principal place of business at 3333 Burnet Avenue, Cincinnati, OH 45229 3039, desires to acquire the entire right, title, and interest in and to said improvements and said Application:


NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE, the inventors, hereby declare and confirm that on the date of the Application WE did sell, assign, transfer, and set over, and hereby do sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application, including any improvements made thereto, including subsequent provisional applications, and any utility (non-provisional) application(s) claiming priority thereto that have been or may hereafter be filed; such filings including divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and WE hereby authorize and request the Commissioner for Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY DECLARE that WE did sell, assign, transfer, and convey, and hereby do sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent, before or after issuance.

AND WE DID AND HEREBY DO covenant and agree that WE will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the improvements, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application including any improvements made thereto, any utility (non-provisional) application(s) filed therefrom, and any continuing application(s) filed from aforementioned utility application(s), and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.



Date: 2/6/2012

  
Vidya CHILDAMBARAN

STATE OF OHIO }  
                          } ss.  
COUNTY OF HAMILTON }

On 2/6/2012 before me, CAROLE J. BURNS, personally appeared Vidya CHILDAMBARAN, 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.

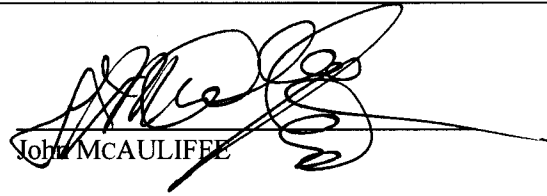
WITNESS my hand and official seal.

Signature 



Carole J. Burns  
Notary Public, State of Ohio  
My Commission Expires 08-16-2014

Date: 6 February, 2012

  
John MCAULIFFE

STATE OF OHIO }  
                          } ss.  
COUNTY OF HAMILTON }

On 2/6/2012 before me, CAROLE J. BURNS, personally appeared John MCAULIFFE, 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.

Signature 



Carole J. Burns  
Notary Public, State of Ohio  
My Commission Expires 08-16-2014

