

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3572053

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ARJUN DEB	11/30/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
<b>Street Address:</b>	308 BYNUM HALL
<b>Internal Address:</b>	CAMPUS BOX 4105
<b>City:</b>	CHAPEL HILL
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27599
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61414455
<b>Application Number:</b>	13885943
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)268-3871
<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>	
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<b>Correspondent Name:</b>	DARRYL PRATCHER, RIVERSIDE LAW LLP
<b>Address Line 1:</b>	300 FOUR FALLS CORP CENTER, SUITE 710
<b>Address Line 2:</b>	300 CONSHOHOCKEN STATE ROAD
<b>Address Line 4:</b>	WEST CONSHOHOCKEN, PENNSYLVANIA 19428
<b>ATTORNEY DOCKET NUMBER:</b>	206030-0022-00-US.602475
<b>NAME OF SUBMITTER:</b>	DARRYL PRATCHER
<b>SIGNATURE:</b>	/DARRYL PRATCHER/
<b>DATE SIGNED:</b>	10/15/2015
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Arjun Deb**, a citizen of India, residing at 205 Commons Way, Chapel Hill, North Carolina 27516;

WITNESSETH: That,

WHEREAS, I am the sole inventor of certain new and useful improvements in **WNT1 FOR TREATMENT OF CARDIOVASCULAR DISORDERS AND INJURIES** for which U.S. Provisional Application No. 61/414,455 was filed on November 17, 2010 in the United States Patent and Trademark Office; and

WHEREAS, **The University of North Carolina at Chapel Hill**, a constituent institution of The University of North Carolina and an educational institution chartered under the laws of the State of North Carolina having a principal place of business at 308 Bynum Hall, Campus Box 4105, Chapel Hill, North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and provisional application above-mentioned, and that I have the unencumbered right and authority to make this assignment.

I further covenant and agree to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar

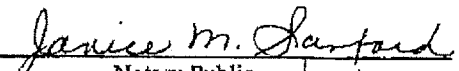
protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and I hereby instruct, and further covenant and agree to bind my heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 30<sup>th</sup> day of November, 2010.

  
\_\_\_\_\_  
Arjun Deb (SEAL)

STATE OF North Carolina )  
  ) ss:  
COUNTY OF Orange )

Before me personally appeared the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 30<sup>th</sup> day of November, 2010.

  
\_\_\_\_\_  
Notary Public Janice M. Sanford

SEAL

My Commission Expires: March 9, 2013

WHEREBY The University of North Carolina at Chapel Hill acknowledges and accepts the assignment;

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 4<sup>th</sup> day of December, 2010. The undersigned warrants and represents that he/she has the authority to sign this Assignment on behalf of the Assignee, The University of North Carolina at Chapel Hill.

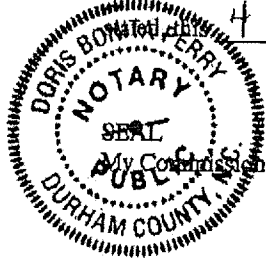
By: Catherine Innes (SEAL)

Title: CATHERINE INNES  
DIRECTOR, OFFICE OF  
TECHNOLOGY DEVELOPMENT

STATE OF North Carolina

COUNTY OF ORANGE )

Before me personally appeared the person described in and who executed the foregoing instrument, and he/she acknowledged to me that he/she executed the same for the purposes therein



on this 4 day of December, 2010.

Doris Bonita Perry  
Notary Public

My Commission Expires: June 28, 2015