

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HARPAL S. MANGAT	05/19/2014
PRADEEP K. KARLA	05/19/2014
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14626126
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<b>ATTORNEY DOCKET NUMBER:</b>	8823-134245-US
<b>NAME OF SUBMITTER:</b>	JOSEPH H. HERRON
<b>SIGNATURE:</b>	/Joseph H. Herron/
<b>DATE SIGNED:</b>	02/19/2015
<b>Total Attachments: 3</b>	
source=134245 MANGAT+ 14-626-126 Parent Assignment to Howard University 05192014#page1.tif	
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source=134245 MANGAT+ 14-626-126 Parent Assignment to Howard University 05192014#page3.tif	

## ASSIGNMENT

I, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign and sell, which confirms any previous assignment by me or by operation of law, to Howard University, a corporation chartered by the Congress of the United States of America, having its principal place of business at 2400 Sixth Street, N.W., Suite 321, Washington, District of Columbia, 20059 ("Assignee"), its successors, assigns, and legal representatives, the entire right, title, and interest, in and to all subject matter and improvements invented, made, or conceived by me and described in the application for patent entitled

COMPOSITIONS AND METHOD FOR TREATMENT OF  
ISCHEMIC NEURONAL REPERFUSION INJURY

having Application Number 14/273,343, filed May 8, 2014, and in and to all patent and all patent convention and treaty rights of all kinds, including the right to claim priority from said application, and all rights in and to any utility model, continuation, continuation-in-part, and divisional application therefrom, and any reissue or re-examination as to any patent issuing therefrom, in all countries throughout the world, for all such subject matter described therein, including all rights of action and rights to recover damages for past infringements.

I agree that on request and without further consideration, I will communicate to the Assignee or its representatives or nominees any facts known to me respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers, and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, *inter partes* review, or extension thereof, and generally do everything possible to aid the

Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Legal Name of Inventor: Harpal S. Mangat  
(Given names first, with Family name last)

Inventor's Signature:

*H. Mangat*

Date:

5/19/2014

Inventor's Address:

11707 Greenlane Drive  
Potomac, Maryland, 20854  
United States of America

State of Maryland )  
County of Frederick ) ss

On May 19th, 2014, before me, Michelle Garrett, a Notary Public in and for said State, personally appeared HARPAL S. MANGAT, personally known by me (or 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.

Michelle Garrett  
Notary Public

My Commission Expires: July 12, 2016

MICHELLE GARRETT  
Notary Public-Maryland  
Frederick County  
My Commission Expires  
July 12, 2016

Legal Name of Inventor:  
(Given names first, with Family name last)

Pradeep K. Karla



Inventor's Signature:

Date:

05/19/14

Inventor's Address:

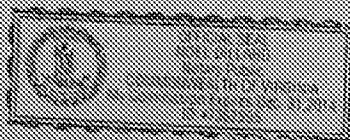

3535 South Ball Street, #12112  
Arlington, Virginia, 22202  
United States of America

State of Virginia )

County of Arlington ) ss

On May 19, 2014, before me, Neil Dillard,  
a Notary Public in and for said State, personally appeared PRADEEP K. KARLA, personally  
known by me (or 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.



Notary Public

My Commission Expires: 12/31/2014