PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| Alexander B. Baguisi | 05/19/2010 |
| Reinier Beeuwkes | 05/20/2010 |
| Ralph Casale | 05/19/2010 |
| Steven A. Kates | 05/19/2010 |
| Alan S. Lader | 05/19/2010 |

RECEIVING PARTY DATA

| Name: | Ischemix LLC | |
|--------------------|---------------|--|
| Street Address: | 63 Great Road | |
| City: | Maynard | |
| State/Country: | MASSACHUSETTS | |
| Postal Code: 01754 | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------|-----------|
| PCT Number: | US1034701 |

CORRESPONDENCE DATA

Fax Number: (978)341-0136

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 978-341-0036

Email: Kellie.Varno@hbsr.com

Correspondent Name: Doreen M. Hogle, Esq.

Address Line 1: 530 Virginia Road, P.O. Box 9133

Address Line 2: Hamilton, Brook, Smith & Reynolds, P.C.

Address Line 4: Concord, MASSACHUSETTS 01742-9133

ATTORNEY DOCKET NUMBER: 4376.1002-001 PCT

NAME OF SUBMITTER: Kellie J. Varno

PATENT

REEL: 024531 FRAME: 0783

00 075 T

501203827

Total Attachments: 4

source=4376.1002-001 Assignment#page1.tif source=4376.1002-001 Assignment#page2.tif source=4376.1002-001 Assignment#page3.tif source=4376.1002-001 Assignment#page4.tif

> PATENT REEL: 024531 FRAME: 0784

Joint

ASSIGNMENT

WHEREAS, we, Alexander B. Baguisi, Reinier Beeuwkes, Ralph Casale, Steven A. Kates and Alan S. Lader, have invented a certain improvement in COMPOSITIONS AND METHODS FOR TREATING ISCHEMIA AND ISCHEMIA-REPERFUSION INJURY described in an application for Patent,

| | the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only); |
|-------------|--|
| | is about to be filed in the United States Patent Office as a Provisional Application |
| | the specification of which is United States Application No. [], filed []; |
| \boxtimes | the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/US2010/034701, filed May 13, 2010, which designates the United States of America; |
| | which was patented under United States Patent No. []. |

WHEREAS, Ischemix LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 63 Great Road, Maynard, Massachusetts 01754 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

-1-

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the

| date set forth below. | |
|--|--|
| Inventor's Signature: | ander B. Baguisi |
| State/Commonwealth of County of | |
| On this day of WAY public, personally appeared Alexander B. B | Control of the Contro |
| personally known to me, or | |
| proved to me through satisfactory ev | vidence of identification, which was |
| to be the person whose name was signed on acknowledged that he/she signed the forego | the foregoing instrument in my presence, and bing instrument as his/her free act and deed. |
| (SEAL) | Notary Public Jacque & Steel |
| | Maguellas OH Posler (print name) |
| | My Commission expires 4 12 1016 |

| | era manara managan ayan manara ma |
|--|--|
| Inventor's Signature: Reinier Beeuw | Denlew ! |
| State/Commonwealth of MA County of Middle Sex | |
| On this day of | 20///, before me, the undersigned notary |
| personally known to me, or | |
| proved to me through satisfactory evidence of | identification, which was |
| to be the person whose name was signed on the foregoing acknowledged that he/she signed the foregoing instruments of the signed that he/she signed the foregoing instruments of the signed that he/she signed the foregoing instruments of the signed that he/she signed the foregoing instruments of the signed that he/she signed the signed the signed that he/she signed the signed the signed the signed that he/she signed the signed th | • • |
| (SEAL) Notary P | ublic Maqueline a Poolen |
| Sacq | uctine A Poole/ (print name) |
| My Com | mission expires 02 15 10016 |
| Inventor's Signature: | |
| Ratph Casa | le |
| State/Commonwealth of | |
| On this | 20/0, before me, the undersigned notary |
| personally known to me, or | |
| proved to me through satisfactory evidence of | identification, which was |
| to be the person whose name was signed on the foregacknowledged that he/she signed the foregoing instru- | |
| (SEAL) Notary F | (1/5 /1)1/A () / |
| Meg | mission expires OD 125 12016 |
| Wry Con. | imporon expires or in 100 6 |

| Inventor's Signature: |
|---|
| State/Commonwealth, of MUSSACHUST County of MIAGHERY |
| On this 19 th day of May 2010, before me, the undersigned notary public, personally appeared Steven A. Kates, |
| personally known to me, or |
| proved to me through satisfactory evidence of identification, which was |
| to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. |
| (SEAL) Notary Public Macqueline & Voole |
| Jacquessine of Footes (print name) |
| My Commission expires <u>Bd 1d5 1 d0/6</u> |
| Inventor's Signature: |
| Alan S. Lader |
| State/Commonwealth of Mossachusetts County of Middlesex |
| On this |
| personally known to me, or |
| proved to me through satisfactory evidence of identification, which was |
| to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. |
| (SEAL) Notary Public Jacqueline & Ble |
| Nacquellus A Poole/ (print name) |
| My Commission expires 2 125 120/6 |

C:\NrPorib\\imanage\IFENNELL\983264_1.DOC

RECORDED: 06/14/2010