

PATENT ASSIGNMENT

Electronic Version v1.1
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| 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>Jeffrey A. Gelfand</td> <td>02/18/2011</td> </tr> <tr> <td>Mark C. Poznansky</td> <td>03/17/2011</td> </tr> <tr> <td>Pierre R. Leblanc</td> <td>01/27/2011</td> </tr> <tr> <td>Svetlana E. Korochkina</td> <td>12/06/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Jeffrey A. Gelfand | 02/18/2011 | Mark C. Poznansky | 03/17/2011 | Pierre R. Leblanc | 01/27/2011 | Svetlana E. Korochkina | 12/06/2010 |
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| Pierre R. Leblanc | 01/27/2011 | | | | | | | | | | |
| Svetlana E. Korochkina | 12/06/2010 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| Name: | The General Hospital Corporation | | | | | | | | | | |
| Street Address: | Thirteenth Street, Building 149 | | | | | | | | | | |
| Internal Address: | Suite 5036 | | | | | | | | | | |
| City: | Charlestown | | | | | | | | | | |
| State/Country: | MASSACHUSETTS | | | | | | | | | | |
| Postal Code: | 02129 | | | | | | | | | | |
| 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>12988445</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12988445 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12988445 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | (617)832-7000 | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Phone: | 617-988-3584 | | | | | | | | | | |
| Email: | phenders@foleyhoag.com | | | | | | | | | | |
| Correspondent Name: | Patricia Henderson | | | | | | | | | | |
| Address Line 1: | 155 Seaport Blvd. | | | | | | | | | | |
| Address Line 4: | Boston, MASSACHUSETTS 02210-2600 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | MAA-018.01 | | | | | | | | | | |
| NAME OF SUBMITTER: | Patricia Henderson | | | | | | | | | | |
| Total Attachments: 4 source=MAA-018_01_Executed_Assignment#page1.tif source=MAA-018_01_Executed_Assignment#page2.tif source=MAA-018_01_Executed_Assignment#page3.tif source=MAA-018_01_Executed_Assignment#page4.tif | | | | | | | | | | | |

CH \$40.00 12988445

ASSIGNMENT

I, Jeffrey A. Gelfand, for valuable consideration received from The General Hospital Corporation, a corporation of the Commonwealth of Massachusetts, having its principal place of business at Thirteenth Street, Building 149, Suite 5036, Charlestown, MA 02129, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

THE GENERAL HOSPITAL CORPORATION

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"IMMUNOTHERAPIES EMPLOYING SELF-ASSEMBLING VACCINES"

described in application Serial No. 12/988,445, with an International filing date of April 17, 2009, filed in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

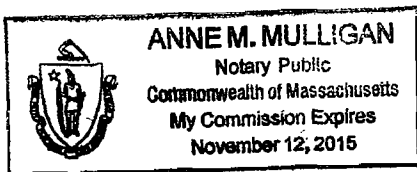
And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this 18th day of February, 2011.

By: Jeffrey A. Gelfand MD
Jeffrey A. Gelfand

Then personally appeared the above-named Jeffrey A. Gelfand and acknowledged the foregoing instrument to be his free act and deed, before me, this 18th day of February 2011.

Anne M. Mulligan
Witness signature Notary Public
ANNE M. MULLIGAN
Witness Name (please print)



ASSIGNMENT

I, Mark C. Poznansky, for valuable consideration received from The General Hospital Corporation, a corporation of the Commonwealth of Massachusetts, having its principal place of business at Thirteenth Street, Building 149, Suite 5036, Charlestown, MA 02129, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

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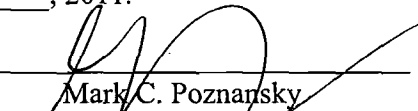
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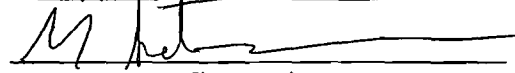
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And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this 17 day of MARCH, 2011.

By: 
Mark C. Poznansky

Then personally appeared the above-named Mark C. Poznansky and acknowledged the foregoing instrument to be his free act and deed, before me, this 17 day of MARCH, 2011.


Witness signature

Michael Santorusso
Witness Name (please print)

ASSIGNMENT

I, Pierre R. Leblanc, for valuable consideration received from The General Hospital Corporation, a corporation of the Commonwealth of Massachusetts, having its principal place of business at Thirteenth Street, Building 149, Suite 5036, Charlestown, MA 02129, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

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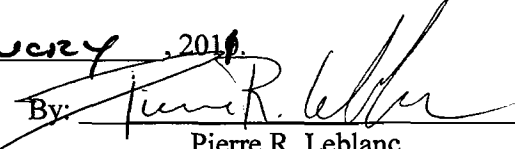
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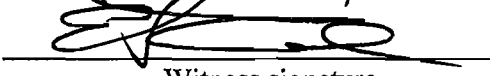
And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this 27th day of January, 2010.

By: 
Pierre R. Leblanc

Then personally appeared the above-named Pierre R. Leblanc and acknowledged the foregoing instrument to be his free act and deed, before me, this 27th day of January, 2010.




Witness signature

ERIC T. LAUMEISTER
Witness Name (please print)

ASSIGNMENT

I, Svetlana E. Korochkina, for valuable consideration received from The General Hospital Corporation, a corporation of the Commonwealth of Massachusetts, having its principal place of business at Thirteenth Street, Building 149, Suite 5036, Charlestown, MA 02129, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

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And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this 6th day of December, 2010.

By: [Signature]
Svetlana E. Korochkina

Then personally appeared the above-named Svetlana E. Korochkina and acknowledged the foregoing instrument to be her free act and deed, before me, this 6th day of December 2010.

[Signature]
Witness signature

MARGIS A. CHOWDHURY
Notary Public
Commonwealth of Massachusetts
My Commission Expires November 15, 2013