

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3361441

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STEVEN R. LITTLE	04/07/2015
GIORGIO RAIMONDI	05/19/2015
ANGUS W. THOMSON	04/08/2015
SIDDHARTH JHUNJHUNWALA	04/08/2015
RECEIVING PARTY DATA	
Name:	UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION
Street Address:	200 GARDNER STEEL CONFERENCE CENTER, THACKERAY AND O'HARA STREETS
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15260
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14372977
CORRESPONDENCE DATA	
Fax Number:	(510)788-8786
<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>	
Phone:	5107888781
Email:	aaeverson@medlencarroll.com,rldalton@medlencarroll.com,docketing@medlencarroll.com
Correspondent Name:	MEDLEN AND CARROLL, LLC
Address Line 1:	1440 BROADWAY, SUITE 510
Address Line 4:	OAKLAND, CALIFORNIA 94612
ATTORNEY DOCKET NUMBER:	UPITT-17819
NAME OF SUBMITTER:	ABBY EVERSON
SIGNATURE:	/abbyeverson/
DATE SIGNED:	05/20/2015
Total Attachments: 5	
source=assignjhunjhunwala#page1.tif	

source=assignlittle#page1.tif

source=assignraimondi#page1.tif

source=assignthomson#page1.tif

source=Assignment17819#page1.tif

ASSIGNMENT

WHEREAS, We, **Steven R. Little, Giorgio Raimondi, Angus W. Thomson, Siddharth Jhunjunwala**, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Controlled Release Formulations for the Induction and Proliferation of Blood Cells**

Filing Date: **7/17/2014**

Serial No.: **14/372,977**

This Application claims priority to the following:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Patented, Pending or Expired</u>
PCT/US13/22518	1/22/2013	Pending
61/590,102	1/24/2012	Expired

WHEREAS, **University of Pittsburgh - Of the Commonwealth System of Higher Education, 200 Gardner Steel Conference Center, Thackeray and O'Hara Streets, Pittsburgh, Pennsylvania 15260**, herein after referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

_____ Steven R. Little	_____ Date	_____ Giorgio Raimondi	_____ Date
_____ Angus W. Thomson	_____ Date	_____ Siddharth Jhunjunwala	_____ Date

STATE OF Massachusetts)
) ss.
COUNTY OF Middlesex)

On this 8 day of April, in the year of 2015, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to 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 Barbara E. Layne as the person whose name is subscribed to the same.

BARBARA E. LAYNE
Barbara E. Layne NOTARY PUBLIC

SEAL

Commonwealth of Massachusetts
My Commission Expires
January 28, 2022

ASSIGNMENT

WHEREAS, We, **Steven R. Little, Giorgio Raimondi, Angus W. Thomson, Siddharth Jhunjunwala**, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Controlled Release Formulations for the Induction and Proliferation of Blood Cells**

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NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

 Steven R. Little	4/7/15 Date	Giorgio Raimondi	Date
Angus W. Thomson	Date	Siddharth Jhunjunwala	Date

STATE OF Pennsylvania)
)
 COUNTY OF Allegheny) ss.

On this 7th day of April, in the year of 2015, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to 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 that he/she executed the same.

NOTARY PUBLIC

SEAL

COMMONWEALTH OF PENNSYLVANIA
 Notarial Seal
 Carla D. Crawford, Notary Public
 City of Pittsburgh, Allegheny County
 My Commission Expires: Oct. 1, 2017

ASSIGNMENT

WHEREAS, We, Steven R. Little, Giorgio Raimondi, Angus W. Thomson, Siddharth Jhunjhunwala, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Controlled Release Formulations for the Induction and Proliferation of Blood Cells

Filing Date: 7/17/2014

Serial No.: 14/372,977

This Application claims priority to the following:

Table with 3 columns: Application Serial No., Filing Date, Patented, Pending or Expired. Rows include PCT/US13/22518 (61/590,102) with filing dates 1/22/2013 and 1/24/2012, and status Pending and Expired.

WHEREAS, University of Pittsburgh - Of the Commonwealth System of Higher Education, 200 Gardner Steel Conference Center, Thackeray and O'Hara Streets, Pittsburgh, Pennsylvania 15260, herein after referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below

Signatures and dates for Steven R. Little, Giorgio Raimondi, Angus W. Thomson, and Siddharth Jhunjhunwala. Includes handwritten date 5/19/2015 for Raimondi.

STATE OF Maryland)
COUNTY OF Harford) ss.

On this 19th day of May, in the year of 2015, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to 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 that he/she executed the same.

Karen Blain NOTARY PUBLIC

SEAL

ASSIGNMENT

WHEREAS, We, **Steven R. Little, Giorgio Raimondi, Angus W. Thomson, Siddharth Jhunjhunwala**, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Controlled Release Formulations for the Induction and Proliferation of Blood Cells**

Filing Date: **7/17/2014**

Serial No.: **14/372,977**

This Application claims priority to the following:

Application Serial No.	Filing Date	Patented, Pending or Expired
PCT/US13/22518	1/22/2013	Pending
61/590,102	1/24/2012	Expired

WHEREAS, **University of Pittsburgh - Of the Commonwealth System of Higher Education, 200 Gardner Steel Conference Center, Thackeray and O'Hara Streets, Pittsburgh, Pennsylvania 15260**, herein after referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Steven R. Little	Date	Giorgio Raimondi	Date
	8 APRIL 2015		
Angus W. Thomson	Date	Siddharth Jhunjhunwala	Date

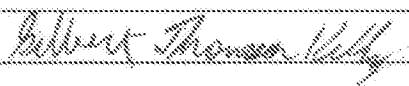
STATE OF Pennsylvania)
 COUNTY OF Allegheny) ss.

On this 8 day of April, in the year of 2015, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to 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 that he/she executed the same.

COMMONWEALTH OF PENNSYLVANIA
 Notarial Seal
 Janet M. Coulter, Notary Public
 City of Pittsburgh, Allegheny County
 My Commission Expires July 6, 2017
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

NOTARY PUBLIC

Sworn to and subscribed before me
 this 8 day of April, 2015

RECORDATION FORM COVER SHEET		U.S. Department of Commerce Patent and Trademark Office
Form PTO-1595	PATENTS ONLY	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Little, Steven R. Raimondi, Giorgio Thomson, Angus W. Jhunjhunwala, Siddharth	2. Name and address of receiving party(ies): University of Pittsburgh - Of the Commonwealth System of Higher Education 200 Gardner Steel Conference Center Thuckeray and O'Hara Streets Pittsburgh, Pennsylvania 15260	
Additional name(s) of conveying party(ies) attached? No	Additional name(s) & address(es) attached? No	
3. Nature of conveyance: Assignment Execution Date: 04/07/2015 05/19/2015 04/08/2015 04/08/2015		
4. Title of Inventions: <i>Controlled Release Formulations for the Induction and Proliferation of Blood Cells</i>		
A. Patent Application No.(s): 14/372,977	B. Patent No.(s):	
Additional numbers attached?		
5. Name and address of party to whom correspondence concerning document should be mailed: Peter G. Carroll MEDLEN & CARROLL LLP 1440 Broadway, Suite 510 Oakland, California 94612	6. Total number of applications and patents involved: 1	
	7. Total fee(s): Effective January 01, 2014, as an electronic submission, payment in the amount of \$40 (\$40 Recordation fee) is not submitted.	
	8. Deposit Account Authorization: The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 08-1290.	
DO NOT USE THIS SPACE		
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>		
Date: May 19, 2015	Signature: 	
	Name: Gilbert Thomson Kelly	
	Reg. No.: 70,988	