## 502659620 01/30/2014

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2706227

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
LILIN WANG	08/13/2012
LUIS A. DELLAMARY	08/16/2012
WILLIAM JOSEPH PHILLIPS JR.	08/16/2012
DAN JOSEPH SMITH	08/16/2012
ADRIAN BOT	08/22/2012

### **RECEIVING PARTY DATA**

Name:	MULTICELL IMMUNOTHERAPEUTICS, INC.	
Street Address:	68 CUMBERLAND STREET	
Internal Address:	SUITE 301	
City:	WOONSOCKET	
State/Country:	RHODE ISLAND	
Postal Code:	02895	

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13078119

# CORRESPONDENCE DATA

Fax Number: (617)830-3227 Phone: 603-433-6300

Email: vborry@pierceatwood.com

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

Correspondent Name: KEVIN M. FARRELL
Address Line 1: 100 SUMMER STREET

Address Line 2: SUITE 2250

Address Line 4: BOSTON, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER: 29058-2001US02

PATENT

502659620 REEL: 032095 FRAME: 0584

NAME OF SUBMITTER:	KEVIN M. FARRELL	
Signature:	/Kevin M. Farrell/	
Date:	01/30/2014	
Total Attachments: 5 source=W4080125#page1.tif source=W4080125#page2.tif source=W4080125#page3.tif source=W4080125#page4.tif source=W4080125#page5.tif		

PATENT REEL: 032095 FRAME: 0585

PATENT	ASSIGNMENT
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Docket Number 29058-2001US02

WHEREAS, the undersigned:

NAME:

Lilin Wang 12634 Carmel County Rd #128 San Diego, CA 92130

(hereinafter "Inventor(s))," have invented certain new and useful improvements in

METHODS AND COMPOSITIONS TO GENERATE AND CONTROL THE EFFECTOR PROFILE OF T CELLS BY SIMULTANEOUS LOADING AND ACTIVATION OF SELECTED SUBSETS OF ANTIGEN PRESENTING CELLS

for which Application No. 13/078.119 was filed on April 01, 2011 in the United States Patent Office (hereinafter "Application(s)").

WHEREAS, Multicell Immotherapeutics. Inc., a corporation of the State or Commonwealth of Rhode Island, having a place of business at 68 Cumberland Street, Suite 301 Woonsocket, RI 02895, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee;

- Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).
- Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignce the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

RECEIVED AND AGREED TO BY ASSIGNEE:

1/9/14 Date:

). Gerald Newmin W. Gerald Newmin Chief Executive Officer

(W3269417.11

Page 1 of 1

PATENT ASSIGNMENT	Docket Number 29058-2001U\$02		
	Social Little Englanding		
WHEREAS, the undersigned:  1. NAME:			
Lais A. Dellamary 829 Quiet Hills Drive San Marcos, CA 92029			
(hereinafter "Inventor(s))," have invented certain new and useful improvements in			
METHODS AND COMPOSITIONS TO GENERATE AND CONTROL THE EFFE LOADING AND ACTIVATION OF SELECTED SUBSETS OF Software of the Control of Selected Subsets of the Control of Selected Subsets of the Control of Selection (s)").	ANTIGEN PRESENTING CELLS		
WHEREAS, Multicell Intunotherapeutics, Inc., a corporation of the State of Commonwealth Street, Suite 301 Woonsocket, RI 02895, (hereinafter "Assignee"), is desirous of acquiring the and the inventions disclosed therein, and in and to all embodiments of the inventions, heretoff severally, by said inventor(s) (hereinafter collectively referred to as "Inventions"), and in and of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, treaty.	ne entire right, title and interest in and to said Application(s)  ore conceived, made or discovered, whether jointly or  1 to any and all natents, inventor's certificates and other forms		
NOW, THEREFORE, in consideration of good and valuable consideration acknows said Assignce:	viedged by said inventor(s) to have been received in full from		
I. Said Inventor(s) do hereby sell, assign, transfer and convey unto said As Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to a applications and Patent(s), including those filed under the Paris Convention for the Protection otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said under any international convention, agreement, protocol, or treaty, including each and every a application which is a divisional, substitution, continuation, or continuation-in-part of any of recommination, or extensions of any of said Patent(s).	Il United States and corresponding non-United States patent of Industrial Property, The Patent Cooperation Treaty or I Inventions in the United States, in any foreign country, or application filed and any and all Patent(s) granted on any		
2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to onjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving off testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting my applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of my said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public tics proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.			
3. The terms and covenants of this assignment shall four to the benefit of a representatives, and shall be binding upon said inventor(s), their respective heirs, legal representatives.	said Assignee, its successors, assigns and other legal entatives and assigns.		
4. Said Inventor(s) hereby warrant and represent that they have not entered understanding in conflict herewith.	and will not enter into any assignment, contract, or		
<ol> <li>Said Inventor(s) hereby request that any Patent(s) issuing in the United S agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and ass representatives and assigns.</li> </ol>	States, foreign countries, or under any international convention, signs, for the sole use of said Assignee, its successors, legal		
IN WITNESS WHEREOF, said inventor(e) have executed and delivered this instru	ment to said Assignce as of the dates written below;		
Date: 16 Aug 12 Luis A. Dellamary			
Date: Witness Name:			
RECEIVED AND AGREED TO BY ASSIGNEE:			
Date: 1/9/14 By:	J. Gerald Newmin		
	Gerald Newmin lef Excentive Officer		

Page 1 of 1

(Wazar795.1)

n	T COLUMN TOO	A COLCANACONTY	
r	ATENT	ASSIGNMENT	

Docket Number 29058-2001US02

WHEREAS, the undersigned;

I, NAME:

William Joseph Phillips, Jr. 11005 Morning Creek Drive, S San Diego, CA 92128

(hereinafter "Inventor(s))," have invented certain new and useful improvements in

METHODS AND COMPOSITIONS TO GENERATE AND CONTROL THE EFFECTOR PROFILE OF T CELLS BY SIMULTANEOUS LOADING AND ACTIVATION OF SELECTED SUBSETS OF ANTIGEN PRESENTING CELLS

for which Application No. 13/078,119 was filed on April 01, 2011 in the United States Patent Office (hereinafter "Application(s)").

WHEREAS, Multicell Immotherapeutics. Inc., a corporation of the State or Commonwealth of Rhode Island, having a place of business at 68 Cumberland Street, Suite 301 Woonsocket, RI 02895, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") (hereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignce:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of industrial Property. The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation, or continuation, or extensions of any of said Patent(s).
- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said, Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of peltions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filling and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filling and prosecuting applications for refsuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inune to the benefit of said Assignce, its successors, assigns and other logal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, he issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

RECEIVED AND AGREED TO BY ASSIGNEE:

Date: \_\_\_\_1/9/14

W. Gerald Newmin

Name: W. Gerald Newmin
Title: Chief Executive Office

(W3269426.1)

Page I of I

PATENT ASSIGNMENT	Docket Number 29058-2001 US02
WHEREAS, the undersigned:	
1, NAME;	
Dan Joseph Smith 4004 Caminito Meliado San Diego, CA 92122	
(hereinafter "Inventor(s))," have invented certain new and useful improvements in	
METHODS AND COMPOSITIONS TO GENERATE AND CONTROL THE E LOADING AND ACTIVATION OF SELECTED SUBSET.	S OF ANTIGEN PRESENTING CELLS
WHEREAS, Multicell Imunotherapeutics, Inc., a corporation of the State or Commonwo Street. Suite 301 Woonsocket, RI 02895, (hereinafter "Assignee"), is desirous of acquiring and the inventions disclosed therein, and in and to all embodiments of the inventions, he severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and is of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countreaty.	ng the entire right, title and interest in and to said Application(s) retofore conceived, made or discovered, whether jointly or nand to any and all patents, inventor's certificates and other forms
NOW, THEREFORE, in consideration of good and valuable consideration act said Assignee;	knowledged by said Inventor(s) to have been received in full from
1. Said Inventor(s) do hereby sell, assign, transfer and convey unto sa Inventions, including the right to claim priority to said inventions; (b) in and to all rights applications and Patent(s), including those filed under the Paris Convention for the Prote otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted or under any international convention, agreement, protocol, or treaty, including each and exapplication which is a divisional, substitution, continuation, or continuation-in-part of an reexamination, or extensions of any of said Patent(s).	to all United States and corresponding non-United States patent section of Industrial Property, The Patent Cooperation Treaty or a said inventions in the United States, in any foreign country, or very application filed and any and all Patent(s) granted on any
2. Said Inventor(s) hereby covenant and agree to cooperate with said a right, title and interest herein conveyed in the United States, foreign countries, or under a cooperation by said Inventor(s) shall include prompt production of pertinent facts and do specifications, declarations or other papers, and other assistance all to the extent deemed Assignee the right, title and interest herein conveyed; (b) for prosecuting any application divisional, continuing or additional applications covering said Inventions; (d) for filing a (e) for interference or other priority proceedings involving said Inventions; and (f) for leftherefor and any Patent(s) granted thereon, including without limitation reissues and reex priority contests, public use proceedings, infringement actions and court actions; provide providing such cooperation shall be paid for by said Assignee.	any international convention, agreement, protocol, or treaty. Such souments, giving of testimony, execution of petitions, oaths, necessary or desirable by said Assignee (a) for perfecting in said so covering said Inventions; (c) for filing and prosecuting substitute and prosecuting applications for reissuance of any said Patent(s); gal proceedings involving said Inventions and any applications (aminations, opposition proceedings, cancellation proceedings,
3, The terms and covenants of this assignment shall inure to the benefit representatives, and shall be binding upon said Inventor(s), their respective heirs, legal re-	it of said Assignee, its successors, assigns and other legal epresentatives and assigns.
4. Said Inventor(s) hereby warrant and represent that they have not entunderstanding in conflict herewith,	tered and will not enter into any assignment, contract, or
5. Said Inventor(s) hereby request that any Patent(s) issuing in the Uni agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors an representatives and assigns.	ted States, foreign countries, or under any international convention d assigns, for the sole use of said Assignee, its successors, legal
IN WITNESS WHEREOF, said inventor(s) have executed and delivered this i	nstrument to said Assignee as of the dates written below:
Day Joseph Smit	

RECEIVED AND AGREED TO BY ASSIGNEE:

1/9/14

W. Gerald Newmin
Title: Chief Executive Officer

(W3269426.1)

Page 1 of 1

PATÉNT ASSIGNMENT	Docket Number 29058-2001US02
WHEREAS, the undersigned:  1. NAME:	
Adrian Bot 27003 Carmelita Drive 283 S CHSKY DR A-B. Valencia, CA 91355 Be very 16115, CA 90212	•
(hereinafter 'Inventor(s))," have invented certain new and useful improvements in	•
METHODS AND COMPOSITIONS TO GENERATE AND CONTROL THE EFFECTOR PR LOADING AND ACTIVATION OF SELECTED SUBSETS OF ANTIGE?  ☐ for which Application No. 13/078.119 was filed on April 01, 2011 in the United States Par (hereinafter "Application(s)").	PRESENTING CELLS

WHEREAS, Multicell Immotherapeutics. Inc., a corporation of the State or Commonwealth of Rhode Island, having a place of business at 68 Cumberland Street. Suite 301 Woonsocket, RI 02895, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).
- Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any pplications covering said Inventions; (c) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith,
- 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

Date:	8	/22/	2012	Adu Part
	7	123	1200	Adrian Bot
Date:	2	22		Witness Name: SINOHH BOT

RECEIVED AND AGREED TO BY ASSIGNEE;

Date: 1/9/14

By: 

W. Gerald Newmin

Name: W. Gerald Newmin

Title: Chief Executive Officer

(W3269381,1) Page 1 of 1