

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Anthony J. FRANK</td> <td>10/21/2010</td> </tr> <tr> <td>Hon-Wah MAN</td> <td>10/25/2010</td> </tr> <tr> <td>Chuang seng GE</td> <td>10/25/2010</td> </tr> <tr> <td>Manohar SAINDAINE</td> <td>10/13/2010</td> </tr> </tbody> </table>		Name	Execution Date	Anthony J. FRANK	10/21/2010	Hon-Wah MAN	10/25/2010	Chuang seng GE	10/25/2010	Manohar SAINDAINE	10/13/2010
Name	Execution Date										
Anthony J. FRANK	10/21/2010										
Hon-Wah MAN	10/25/2010										
Chuang seng GE	10/25/2010										
Manohar SAINDAINE	10/13/2010										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Celgene Corporation</td> </tr> <tr> <td>Street Address:</td> <td>86 Morris Avenue</td> </tr> <tr> <td>City:</td> <td>Summit</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07901</td> </tr> </table>		Name:	Celgene Corporation	Street Address:	86 Morris Avenue	City:	Summit	State/Country:	NEW JERSEY	Postal Code:	07901
Name:	Celgene Corporation										
Street Address:	86 Morris Avenue										
City:	Summit										
State/Country:	NEW JERSEY										
Postal Code:	07901										
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>12901338</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12901338						
Property Type	Number										
Application Number:	12901338										
CORRESPONDENCE DATA											
<p>Fax Number: 8583141150  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 858-314-1200</p> <p>Email: scgenua@jonesday.com, mvdiaz@jonesday.com</p> <p>Correspondent Name: JONES DAY</p> <p>Address Line 1: 222 East 41st Street</p> <p>Address Line 2: Sandra Genua</p> <p>Address Line 4: New York, NEW YORK 10017</p>											
ATTORNEY DOCKET NUMBER:	501872-999895										
NAME OF SUBMITTER:	Sandra Genua										
Total Attachments: 8											

CH \$40.00 12901338

source=9516-895-999\_Assignment#page1.tif  
source=9516-895-999\_Assignment#page2.tif  
source=9516-895-999\_Assignment#page3.tif  
source=9516-895-999\_Assignment#page4.tif  
source=9516-895-999\_Assignment#page5.tif  
source=9516-895-999\_Assignment#page6.tif  
source=9516-895-999\_Assignment#page7.tif  
source=9516-895-999\_Assignment#page8.tif

## ASSIGNMENT

WHEREAS, WE, Anthony J. Frank, residing at 139 Clover Hollow Road, Easton, PA 18045, Hon-Wah Man, residing at 27 Grant Way, Princeton, NJ 08540, Chuangseng Ge, residing at 9 Breckenridge Court, Belle Mead, NJ 08502, and Manohar Saindaine, residing at 20 Arbutus Way, Monmouth Junction, NJ 08852, ASSIGNORS, citizens of the United States, are the inventors of the invention in for which we have executed an application for a Patent of the United States

- ☐ which is executed on ☐ even date herewith or ☐
- ☒ which is identified by Jones Day docket no. 9516-895-888
- ☒ which was filed on October 9, 2009, Application No. 61/250,421
- ☐ We hereby authorize and request attorney(s), , at Jones Day, to insert here in parentheses (Application number, \_\_\_\_\_ filed \_\_\_\_\_) the filing date and application number of said application when known.

and WHEREAS, Celgene Corporation, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date October 21, 2010

Anthony J. Frank  
Anthony J. Frank

L.S.

State of New Jersey,  
County of Union ) SS.:

Frank October 21, 2010, before me, Denise Errigo, Notary Public, personally appeared Anthony, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Denise Errigo

**DENISE ERRIGO**  
**ID # 2372876**  
**NOTARY PUBLIC OF NEW JERSEY**  
**Commission Expires 4/24/2013**



Date \_\_\_\_\_, 2010 \_\_\_\_\_ L.S.  
Hon-Wah Man

State of \_\_\_\_\_ )  
 ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_  
Date \_\_\_\_\_, 2010 \_\_\_\_\_ L.S.  
Chuangseeng Ge

State of \_\_\_\_\_ )  
 ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_  
Date \_\_\_\_\_, 2010 \_\_\_\_\_ L.S.  
Manohar Saindaine

State of \_\_\_\_\_ )  
 ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

## ASSIGNMENT

**PATENT**  
**REEL: 029989 FRAME: 0823**

Date 25 Sept <sup>October</sup>, 2010

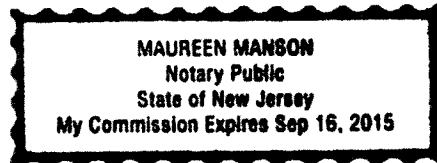
Hon-Wah Man L.S.  
Hon-Wah Man

State of New Jersey )  
County of Union ) SS.:

On October 25, 2010, before me, Maureen Manson Notary Public, personally appeared Hon-Wah Man, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

[Signature]



Date \_\_\_\_\_, 2010 L.S.  
Chuang seng Ge

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS.:

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_  
Date \_\_\_\_\_, 2010 L.S.  
Manohar Saindaine

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS.:

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_

## ASSIGNMENT

**PATENT**  
**REEL: 029989 FRAME: 0825**

Date \_\_\_\_\_, 2010 \_\_\_\_\_ L.S.  
Hon-Wah Man

State of \_\_\_\_\_ )  
 ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

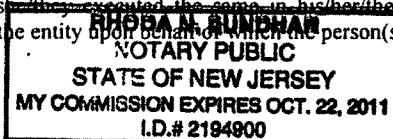
WITNESS my hand and official seal

Date 10/25, 2010 \_\_\_\_\_ L.S.  
ChungSeng Ge

State of New Jersey )  
 ) SS.:  
County of Mercer )

On 25<sup>th</sup> Day, 2010, before me, RHODA SUNDHAR, Notary Public, personally appeared CHUANSHEN, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal



Date \_\_\_\_\_, 2010 \_\_\_\_\_ L.S.  
Manohar Saindaine

State of \_\_\_\_\_ )  
 ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal



## ASSIGNMENT

WHEREAS, WE, Anthony J. Frank, residing at 139 Clover Hollow Road, Easton, PA 18045, Hon-Wah Man, residing at 27 Grant Way, Princeton, NJ 08540, Chuangseng Ge, residing at 9 Breckenridge Court, Belle Mead, NJ 08502, and Manohar Saindaine, residing at 20 Arbutus Way, Monmouth Junction, NJ 08852, ASSIGNORS, citizens of the United States, are the inventors of the invention in for which we have executed an application for a Patent of the United States

- ☐ which is executed on ☐ even date herewith or ☐
- ☒ which is identified by Jones Day docket no. 9516-895-888
- ☒ which was filed on October 9, 2009, Application No. 61/250,421
- ☐ We hereby authorize and request attorney(s), , at Jones Day, to insert here in parentheses (Application number, \_\_\_\_\_ filed \_\_\_\_\_ ) the filing date and application number of said application when known.

and WHEREAS, Celgene Corporation, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date \_\_\_\_\_, 2010 \_\_\_\_\_ L.S.  
Anthony J. Frank

State of \_\_\_\_\_ )  
 ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date \_\_\_\_\_, 2010 \_\_\_\_\_ L.S.  
Hon-Wah Man

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS.:

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date \_\_\_\_\_, 2010 \_\_\_\_\_ L.S.  
Chuangseong Ge

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS.:

On \_\_\_\_\_, 2010, before me, \_\_\_\_\_, Notary Public, personally appeared \_\_\_\_\_, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date 10/13/2010, 2010 MS Saindane L.S.  
Manohar Saindane

State of GEORGIA )  
County of DEKALB ) SS.:

On OCTOBER 13, 2010, before me, JAN MESSING, Notary Public, personally appeared MANOHAR SAINDANE, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Jan Messing

My Commission Expires  
October 27, 2013

