

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2918750

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ISHTIYAQUE AHMAD	06/22/2014
RAJAGOPAL BAKTHAVATCHALAM	06/24/2014
SIVARAMAKRISHNA BATTULA	06/26/2014
HENRICUS JACOBUS, MARIA GIJSEN	06/19/2014
SARAVANAN VADIVELU	06/26/2014
MARK WALL	06/12/2014
RECEIVING PARTY DATA	
Name:	JANSSEN PHARMACEUTICA NV
Street Address:	TURNHOUTSEWEG 30
City:	BEERSE
State/Country:	BELGIUM
Postal Code:	B2340
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13968480
CORRESPONDENCE DATA	
Fax Number:	(732)524-2808
<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:	7325245352
Email:	JNJUSPATENT@CORUS.JNJ.COM
Correspondent Name:	BERNARD F. PLANTZ
Address Line 1:	JOHNSON & JOHNSON
Address Line 2:	ONE JOHNSON & JOHNSON PLAZA
Address Line 4:	NEW BRUNSWICK, NEW JERSEY 08933
ATTORNEY DOCKET NUMBER:	PRD3310USNP
NAME OF SUBMITTER:	ELEANOR MARINO
SIGNATURE:	/Eleanor Marino/
DATE SIGNED:	06/30/2014
Total Attachments: 29	

PATENT

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A S S I G N M E N T

WHEREAS, **Ishtiyaque AHMAD**
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Rajagopal BAKTHAVATCHALAM
67 Hickory Lane
Madison, CT 06443
USA;

Sivaramakrishna BATTULA
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Henricus, Jacobus, Maria GIJSEN
Sprundelsebaan 87
4838GM Breda
The Netherlands;

Saravanan VADIVELU
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Mark WALL
108 Manor Drive
Lansdale, PA 19446
USA

hereinafter called "Assignors", have made certain new and useful
inventions or discoveries relating to

SUBSTITUTED IMIDAZOLES AS N-TYPE CALCIUM CHANNEL BLOCKERS

for which they have on the day of , 2013 executed an application for Letters Patent of the United States; and

WHEREAS, **JANSSEN PHARMACEUTICA NV**, a corporation of **BELGIUM**, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:


NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available, is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he/she has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 22 day of June, 2014.

 (L.S.)
Ishtiyaque AHMAD

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Ishtiyaque AHMAD**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 26 day of June, 2014.

B. PMO (L.S.)
Sivaramakrishna BATTULA

STATE OF _____)
) ss.
 COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Sivaramakrishna BATTULA**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

 Notary Public

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IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 26 day of June, 2014.


 _____ (L.S.)
Saravanan VADIVELU

STATE OF _____)
) ss.
 COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Saravanan VADIVELU**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

 Notary Public

DOCKET NO. PRD3310
Joint Inventors

A S S I G N M E N T

WHEREAS, **Ishtiyaque AHMAD**
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Rajagopal BAKTHAVATCHALAM
67 Hickory Lane
Madison, CT 06443
USA;

Sivaramakrishna BATTULA
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Henricus, Jacobus, Maria GIJSEN
Sprundelsebaan 87
4838GM Breda
The Netherlands;

Saravanan VADIVELU
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Mark WALL
108 Manor Drive
Lansdale, PA 19446
USA

hereinafter called "Assignors", have made certain new and useful
inventions or discoveries relating to

SUBSTITUTED IMIDAZOLES AS N-TYPE CALCIUM CHANNEL BLOCKERS

for which they have on the day of , 2013 executed an application for Letters Patent of the United States; and

WHEREAS, JANSSEN PHARMACEUTICA NV, a corporation of BELGIUM, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available, is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he/she has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

(L.S.)

Ishtiyaque AHMAD

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Ishtiyaque AHMAD**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

(L.S.)

Rajagopal BAKTHAVATCHALAM

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Rajagopal BAKTHAVATCHALAM**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this day of , 2014.

(L.S.)

Sivaramakrishna BATTULA

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Sivaramakrishna BATTULA**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 19th day of June, 2014.

Henricus, Jacobus, Maria GIJSEN

(L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

The above signature(s) has been seen by us, Notary
~~Tom~~ Coppens at Vosselaar, and we certify it to be
 genuinely the signature(s) of Henricus, Jacobus, Maria GIJSEN



Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

(L.S.)

Saravanan VADIVELU

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Saravanan VADIVELU**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

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IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

Mark WALL

(L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Mark WALL**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

A S S I G N M E N T

WHEREAS, **Ishtiyaque AHMAD**
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Rajagopal BAKTHAVATCHALAM
67 Hickory Lane
Madison, CT 06443
USA;

Sivaramakrishna BATTULA
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Henricus, Jacobus, Maria GIJSEN
Sprundelsebaan 87
4838GM Breda
The Netherlands;

Saravanan VADIVELU
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Mark WALL
108 Manor Drive
Lansdale, PA 19446
USA

hereinafter called "Assignors", have made certain new and useful
inventions or discoveries relating to

SUBSTITUTED IMIDAZOLES AS N-TYPE CALCIUM CHANNEL BLOCKERS

for which they have on the day of , 2013 executed an application for Letters Patent of the United States; and

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NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available, is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

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And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

Ishtiyaque AHMAD (L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared Ishtiyaque AHMAD, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

Rajagopal BAKTHAVATCHALAM (L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared Rajagopal BAKTHAVATCHALAM, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

(L.S.)

Sivaramakrishna BATTULA

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared Sivaramakrishna BATTULA, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

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IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

Henricus, Jacobus, Maria GIJSEN

(L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared Henricus, Jacobus, Maria GIJSEN, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

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IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this ____ day of _____, 2014.

Saravanan VADIVELU (L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this ____ day of _____, 2014, before me, a Notary Public, personally appeared Saravanan VADIVELU, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

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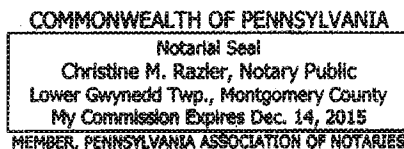
IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 12 day of June, 2014.

Mark Wall (L.S.)
Mark WALL

STATE OF PA)
COUNTY OF Montgomery) ss.

June BE IT REMEMBERED, That on this 12th day of June, 2014, before me, a Notary Public, personally appeared **Mark WALL**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Christine M. Razler
Notary Public



A S S I G N M E N T

WHEREAS, **Ishtiyaque AHMAD**
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Rajagopal BAKTHAVATCHALAM
67 Hickory Lane
Madison, CT 06443
USA;

Sivaramakrishna BATTULA
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Henricus, Jacobus, Maria GIJSEN
Sprundelsebaan 87
4838GM Breda
The Netherlands;

Saravanan VADIVELU
c/o Jubilant Biosys Ltd, 96, Industrial Suburb,
2nd Stage
Yeswanthpur, Bangalore-560 022
INDIA;

Mark WALL
108 Manor Drive
Lansdale, PA 19446
USA

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for which they have on the day of , 2013 executed an application for Letters Patent of the United States; and

WHEREAS, JANSSEN PHARMACEUTICA NV, a corporation of BELGIUM, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available, is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he/she has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

(L.S.)

Ishtiyaque AHMAD

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Ishtiyaque AHMAD**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 24th day of JUNE, 2014.

Rajagopal BAKTHAVATCHALAM (L.S.)
Rajagopal BAKTHAVATCHALAM

STATE OF Connecticut
COUNTY OF New Haven SS.

June BE IT REMEMBERED, That on this 24th day of June, 2014, before me, a Notary Public, personally appeared Rajagopal BAKTHAVATCHALAM, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

LIRETTA C. MILLER
Loretta C. Miller #139924
Notary Public

My Commission expires
11/30/2014

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this day of , 2014.

(L.S.)

Sivaramakrishna BATTULA

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared **Sivaramakrishna BATTULA**, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

 Henricus, Jacobus, Maria GIJSEN (L.S.)

STATE OF _____)
) ss.
 COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared Henricus, Jacobus, Maria GIJSEN, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

 Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this ____ day of _____, 2014.

(L.S.)

Saravanan VADIVELU

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared Saravanan VADIVELU, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them, promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2014.

Mark WALL (L.S.)

STATE OF _____)
) ss.
COUNTY OF _____)

BE IT REMEMBERED, That on this _____ day of _____, 2014, before me, a Notary Public, personally appeared Mark WALL, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public