

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7453060

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FENG XU	02/24/2014
ZHUQING LIU	02/24/2014
RICHARD DESMOND	02/24/2014
JEONGHAN PARK	02/24/2014
ALEXEI KALININ	02/24/2014
BIRGIT KOSJEK	02/24/2014
HALLENA STROTMAN	02/22/2014
HONGMEI LI	02/24/2014
JOHANNAH MONCECCHI	02/20/2014
RECEIVING PARTY DATA	
Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17399274
CORRESPONDENCE DATA	
Fax Number:	(202)371-2540
<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:	(202) 371-2600
Email:	TTOPSSecretary5@sternekessler.com,pmingo@sternekessler.com
Correspondent Name:	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
Address Line 1:	1100 NEW YORK AVENUE, NW
Address Line 4:	WASHINGTON, D.C. 20005
ATTORNEY DOCKET NUMBER:	3987.0030004
NAME OF SUBMITTER:	PAMELA A. MINGO

SIGNATURE:	/Pamela A. Mingo #48256/
DATE SIGNED:	07/25/2022
Total Attachments: 18 source=2022-07-22-Assignment-3987-0030004#page1.tif source=2022-07-22-Assignment-3987-0030004#page2.tif source=2022-07-22-Assignment-3987-0030004#page3.tif source=2022-07-22-Assignment-3987-0030004#page4.tif source=2022-07-22-Assignment-3987-0030004#page5.tif source=2022-07-22-Assignment-3987-0030004#page6.tif source=2022-07-22-Assignment-3987-0030004#page7.tif source=2022-07-22-Assignment-3987-0030004#page8.tif source=2022-07-22-Assignment-3987-0030004#page9.tif source=2022-07-22-Assignment-3987-0030004#page10.tif source=2022-07-22-Assignment-3987-0030004#page11.tif source=2022-07-22-Assignment-3987-0030004#page12.tif source=2022-07-22-Assignment-3987-0030004#page13.tif source=2022-07-22-Assignment-3987-0030004#page14.tif source=2022-07-22-Assignment-3987-0030004#page15.tif source=2022-07-22-Assignment-3987-0030004#page16.tif source=2022-07-22-Assignment-3987-0030004#page17.tif source=2022-07-22-Assignment-3987-0030004#page18.tif	

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Feng Xu, located at Staten Island, NY,
- (2) Zhuqing Liu, located at Edison, NJ,
- (3) Richard Desmond, located at Lebanon, NJ,
- (4) Jeonghan Park, located at Whippany, NJ,
- (5) Alexei Kalinin, located at Morganville, NJ,
- (6) Birgit Kosjek, located at Westfield, NJ,
- (7) Hailena Strotman, located at Somerset, NJ,
- (8) Hongmei Li, located at Edison, NJ,
- (9) Johannah Monecchi, located at Waltham, MA

(hereinafter ASSIGNOR(S)), together with _____, located at _____, located at _____, and _____, located at _____, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

PROCESS FOR PREPARING BETA 3 AGONISTS AND INTERMEDIATES

and/or in the following application(s):

U.S. Provisional Application No. 61/791,247 filed on March 15, 2013;
 U.S. Application No. 14/776,346 having a filing date of 9/14/15; and
 PCT International Application No. PCT/US14/02300 having a filing date of 3/12/14.

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this 24th day of Feb., 2014.

[Signature]
Feng Xu

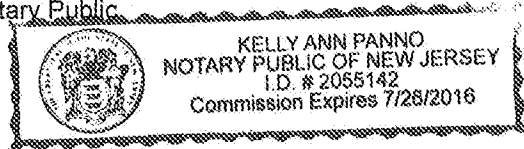
ACKNOWLEDGEMENT

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

On this 24th day of February, 2014, personally appeared before me **Feng Xu**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

[Signature]
Notary Public



Executed this 24 day of Feb, 2014.

[Signature]
Zhuqing Liu

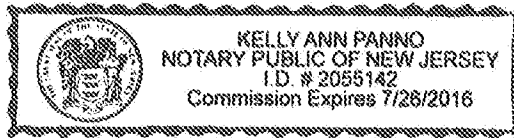
ACKNOWLEDGEMENT

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

On this 24th day of February, 2014, personally appeared before me **Zhuqing Liu**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

[Signature]
Notary Public



Executed this 24 day of Feb, 2014.

Richard Desmond
Richard Desmond

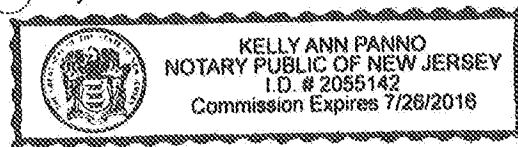
ACKNOWLEDGEMENT

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

On this 24th day of February, 2014, personally appeared before me **Richard Desmond**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Kelly Ann Panno
Notary Public



Executed this 24 day of Feb, 2014.

Jeonghan Park
Jeonghan Park

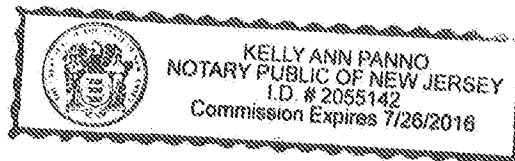
ACKNOWLEDGEMENT

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

On this 24th day of February, 2014, personally appeared before me **Jeonghan Park**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Kelly Ann Panno
Notary Public



Executed this 24 day of February, 2014.

Alexei Kalinin

Alexei Kalinin

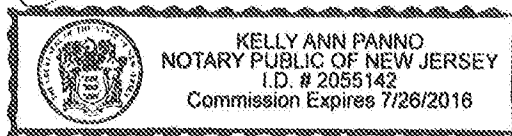
ACKNOWLEDGEMENT

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

On this 24th day of February, 2014, personally appeared before me **Alexei Kalinin**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Kelly Ann Panno
Notary Public



Executed this 24 day of Feb, 2014.

Birgit Kosjek

Birgit Kosjek

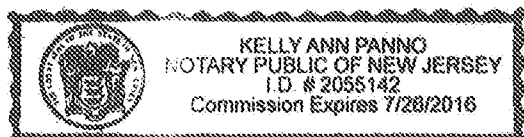
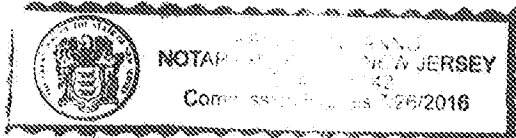
ACKNOWLEDGEMENT

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

On this 24th day of February, 2014, personally appeared before me **Birgit Kosjek**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Kelly Ann Panno
Notary Public



WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Feng Xu, located at Staten Island, NY,
- (2) Zhuqing Liu, located at Edison, NJ,
- (3) Richard Desmond, located at Lebanon, NJ,
- (4) Jeonghan Park, located at Whippany, NJ,
- (5) Alexei Kalinin, located at Morganville, NJ,
- (6) Birgit Kosjek, located at Westfield, NJ,
- (7) Hallena Strotman, located at Somerset, NJ,
- (8) Hongmei Li, located at Edison, NJ,
- (9) Johannah Monecchi, located at Waltham, MA

(hereinafter ASSIGNOR(S)), together with _____, located at _____, located at _____, and _____, located at _____, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

PROCESS FOR PREPARING BETA 3 AGONISTS AND INTERMEDIATES

and/or in the following application(s):

U.S. Provisional Application No. 61/791,247 filed on March 15, 2013;
 U.S. Application No. 14/776,366 having a filing date of 9/14/15; and
 PCT International Application No. PCT/US14/0388 having a filing date of 3/10/14.

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this ____ day of _____, 2014.

Feng Xu

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Feng Xu**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 2014.

Zhuqing Liu

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Zhuqing Liu**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 2014.

Richard Desmond

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Richard Desmond**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 2014.

Jeonghan Park

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Jeonghan Park**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this 22 day of Feb, 2014.

Hallena Strotman
Hallena Strotman

ACKNOWLEDGEMENT

State of New Jersey)
County of SOMERSET) s.s.:

On this 22nd day of February, 2014, personally appeared before me **Hallena Strotman**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

F. A. Mukadam
Notary Public

FARHAN A. MUKADAM
NOTARY PUBLIC OF NEW JERSEY
ID # 2429012
My Commission Expires 1/18/2018

Executed this _____ day of _____, 2014.

Hongmei LI

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Hongmei LI**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 2014.

Johannah Monecchi

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)
) s.s.:
County of _____)

On this _____ day of _____, 2014, personally appeared before me **Johannah Monecchi**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Feng Xu, located at Staten Island, NY,
- (2) Zhuqing Liu, located at Edison, NJ,
- (3) Richard Desmond, located at Lebanon, NJ,
- (4) Jeonghan Park, located at Whippany, NJ,
- (5) Alexei Kalinin, located at Morganville, NJ,
- (6) Birgit Kosjek, located at Westfield, NJ,
- (7) Hallena Strotman, located at Somerset, NJ,
- (8) Hongmei Li, located at Edison, NJ,
- (9) Johannah Moncechi, located at Waltham, MA

(hereinafter ASSIGNOR(S)), together with Moncechi Sell 02/20/2014, located at _____, located at _____, and _____, located at _____, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

PROCESS FOR PREPARING BETA 3 AGONISTS AND INTERMEDIATES

and/or in the following application(s):

U.S. Provisional Application No. 61/791,247 filed on March 15, 2013;
 U.S. Application No. 14736306 having a filing date of 9/14/15; and
 PCT International Application No. PCT/US14/03858 having a filing date of 3/12/14.

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter ASSIGNEE), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, without further compensation or charge to said ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of ASSIGNEE, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize ASSIGNEE to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this ____ day of _____, 2014.

Feng Xu

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Feng Xu**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 2014.

Zhuqing Liu

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Zhuqing Liu**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 2014.

Richard Desmond

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Richard Desmond**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 2014.

Jeonghan Park

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Jeonghan Park**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 2014.

Alexei Kalinin

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Alexei Kalinin**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 2014.

Birgit Kosjek

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Birgit Kosjek**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 2014.

Hallena Strotman

ACKNOWLEDGEMENT

State of New Jersey)
) s.s.:
County of _____)

On this _____ day of _____, 2014, personally appeared before me **Hallena Strotman**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 2014.

Hongmei Li

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2014, personally appeared before me **Hongmei Li**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this 26 day of February, 2014.

Johannah Monecchi
Johannah Monecchi
Monecchi JRM 02/20/2014

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)
County of Middlesex) s.s.:

On this 20th day of February, 2014, personally appeared before me **Johannah Monecchi**, to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Patricia Freitas Smalley
Notary Public

