

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Michael D. Altman</td><td>04/12/2011</td></tr> <tr><td>Brian M. Andresen</td><td>04/12/2011</td></tr> <tr><td>Kenneth L. Arrington</td><td>02/18/2011</td></tr> <tr><td>Kaleen Konrad Childers</td><td>04/08/2011</td></tr> <tr><td>Maria Emilia Di Francesco</td><td>02/28/2011</td></tr> <tr><td>Anthony Donofrio</td><td>04/12/2011</td></tr> <tr><td>John Michael Ellis</td><td>04/08/2011</td></tr> <tr><td>Christian Fischer</td><td>04/12/2011</td></tr> <tr><td>Jonathan Grimm</td><td>05/20/2011</td></tr> <tr><td>David Joseph Guerin</td><td>04/11/2011</td></tr> <tr><td>Andrew M. Haidle</td><td>04/08/2011</td></tr> <tr><td>Solomon Kattar</td><td>04/11/2011</td></tr> <tr><td>Sandra Lee Knowles</td><td>04/07/2011</td></tr> <tr><td>Chaomin Li</td><td>04/08/2011</td></tr> <tr><td>Jongwon Lim</td><td>04/08/2011</td></tr> <tr><td>Michelle R. Machacek</td><td>04/08/2011</td></tr> <tr><td>Matthew L. Maddess</td><td>04/08/2011</td></tr> <tr><td>Alan B. Northrup</td><td>04/08/2011</td></tr> <tr><td>Brendan M. O'Boyle</td><td>04/08/2011</td></tr> <tr><td>Ryan D. Otte</td><td>04/08/2011</td></tr> <tr><td>Alessia Petrocchi</td><td>04/11/2011</td></tr> <tr><td>Michael H. Reutershan</td><td>04/08/2011</td></tr> <tr><td>Eric Romeo</td><td>04/08/2011</td></tr> <tr><td>Adam J. Schell</td><td>04/11/2011</td></tr> <tr><td>Tony Siu</td><td>04/07/2011</td></tr> <tr><td>Kerrie B. Spencer</td><td>04/18/2011</td></tr> <tr><td>Brandon M. Taoka</td><td>04/12/2011</td></tr> <tr><td>B. Wesley Trotter</td><td>04/08/2011</td></tr> <tr><td>Hyun Chong Woo</td><td>04/08/2011</td></tr> <tr><td>Hua Zhou</td><td>04/08/2011</td></tr> </tbody> </table>		Name	Execution Date	Michael D. Altman	04/12/2011	Brian M. Andresen	04/12/2011	Kenneth L. Arrington	02/18/2011	Kaleen Konrad Childers	04/08/2011	Maria Emilia Di Francesco	02/28/2011	Anthony Donofrio	04/12/2011	John Michael Ellis	04/08/2011	Christian Fischer	04/12/2011	Jonathan Grimm	05/20/2011	David Joseph Guerin	04/11/2011	Andrew M. Haidle	04/08/2011	Solomon Kattar	04/11/2011	Sandra Lee Knowles	04/07/2011	Chaomin Li	04/08/2011	Jongwon Lim	04/08/2011	Michelle R. Machacek	04/08/2011	Matthew L. Maddess	04/08/2011	Alan B. Northrup	04/08/2011	Brendan M. O'Boyle	04/08/2011	Ryan D. Otte	04/08/2011	Alessia Petrocchi	04/11/2011	Michael H. Reutershan	04/08/2011	Eric Romeo	04/08/2011	Adam J. Schell	04/11/2011	Tony Siu	04/07/2011	Kerrie B. Spencer	04/18/2011	Brandon M. Taoka	04/12/2011	B. Wesley Trotter	04/08/2011	Hyun Chong Woo	04/08/2011	Hua Zhou	04/08/2011
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CH \$40.00 12968608

PATENT

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:	12968608

CORRESPONDENCE DATA

Fax Number: 7325944720
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 732-594-1045
 Email: us.efs@merck.com
 Correspondent Name: Eric A. Meade, Merck & Co., Inc.
 Address Line 1: 126 East Lincoln Avenue
 Address Line 2: P.O. Box 2000, RY86-2011A
 Address Line 4: Rahway, NEW JERSEY 07065

ATTORNEY DOCKET NUMBER:	MCC-BRE-00006-US-NP
NAME OF SUBMITTER:	Eric A. Meade
Signature:	/Eric A. Meade, Reg. No. 42876/
Date:	05/10/2013

Total Attachments: 34

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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Michael D. Altman, located at Needham, MA 02484,
- (2) Brian M. Andersen, located at Sharon, MA 02067,
- (3) Kenneth L. Arrington, located at Revere, MA 02151, ~~XXXX~~
- (4) Kaleen Konrad Childers, located at Newton, MA 02459, ~~02446~~
- (5) Maria Emilia Di Francesco, located at Brookline, MA 02446
- (6) Anthony Donofrio, located at Cambridge, MA 02138,
- (7) John Michael Ellis, located at Needham, MA 02494,
- (8) Christian Fischer, located at Natick, MA 01760,
- (9) Jonathan Grimm, located at Newton, MA 02459,
- (10) David Joseph Guerin, located at Natick, MA 01760,
- (11) Andrew M. Haidle, located at Cambridge, MA 02138,
- (12) Solomon Kattar, located at Arlington, MA 02474,
- (13) Sandra Lee Knowles, located at Boston, MA 02215,
- (14) Chaomin Li, located at Boston, MA 02215,
- (15) Jongwon Lim, located at Lexington, MA 02420;
- (16) Michelle R. Machacek, located at Brookline, MA 02446,
- (17) Matthew L. Maddess, located at Boston, MA 02215,
- (18) Alan B. Northrup, located at Reading, MA 01867,
- (19) Brendan M. O'Boyle, located at Boston, MA 02118,
- (20) Ryan D. Olte, located at Natick, MA 01760,
- (21) Alessia Petracchi, located at Boston, MA 02215,
- (22) Michael H. Reutershan, located at Brookline, MA 02446,
- (23) Eric Romeo, located at Allston, MA 02134,
- (24) Adam J. Schell, located at Newton, MA 02459,
- (25) Tony Siu, located at Brookline, MA 02446,
- (26) Kerrie B. Spencer, located at Woonsocket, RI 02895;
- (27) Brandon M. Taoka, located at Brookline, MA 02445,
- (28) B. Wesley Trotter, located at Newton Highlands, MA 02461,
- (29) Hyun Chong Woo, located at Natick, MA 01760,
- (30) Hua Zhou, located at Acton, MA 01720,

(hereinafter ASSIGNOR(S)), together with Satish Bhat, located at Quebec H9G 3C7, Canada, Jason Burch, located at Westmount, PQ H3Z 2M2, Canada, Bernard Cote, located at Quebec J7V 7P2, Canada, Kristina Dupont-Gaudet, located at Quebec J7V 9M9, Canada, Jean-Francois Fournier, located at Quebec H4M 2R1, Canada, Jacques Yves Gauthier, located at Quebec H7N 5C2, Canada, Daniel Guay, located at Quebec H8S 4C9, Canada, and Joel S. Robichaud, located at Quebec H9G 2L8, Canada, 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:

AMINOPYRIMIDINES AS SYK INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 61/287,267 filed on 12/17/2009;
 U.S. Application No. 12/968,608 having a filing date of 12/15/2010; and
 PCT International Application No. PCT/US2010/060454 having a filing date of 12/15/2010.

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 12 day of April, 2011

Michael D. Altman
Michael D. Altman

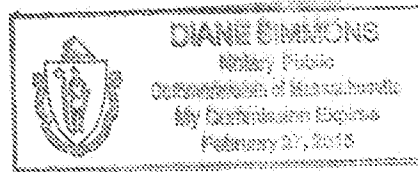
ACKNOWLEDGEMENT

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

On this 12 day of April, 2011, personally appeared before me Michael D. Altman 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 12 day of April, 2011

Brian M. Andresen
Brian M. Andresen

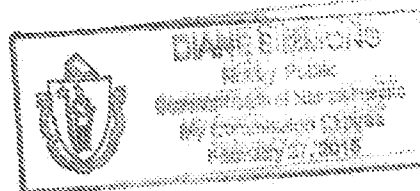
ACKNOWLEDGEMENT

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

On this 12 day of April, 2011, personally appeared before me Brian M. Andresen to me known, and known by me to be the same person 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 _____ day of _____, 20__.

Kenneth L. Arrington

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Kenneth L. Arrington 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 8 day of April, 2011.

Kateen Konrad Childers
Kateen Konrad Childers

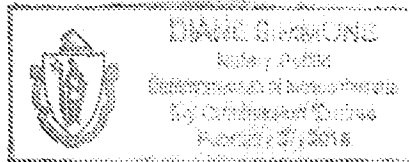
ACKNOWLEDGEMENT

_____ of _____)
County of Jefferson) s.s.:

On this 10 day of April, 2011, personally appeared before me Kateen Konrad Childers to me known, and known by me to be the same person 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)

Kateen Konrad Childers
Notary Public



Executed this 28 day of FEBRUARY, 2011

Maria Emilia Di Francesco
Maria Emilia Di Francesco

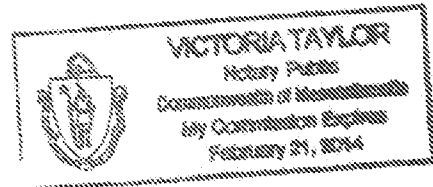
ACKNOWLEDGEMENT

COMMONWEALTH of MASSACHUSETTS
County of SUFFOLK) s.s.:
)

On this 28 day of FEBRUARY, 2011, personally appeared before me Maria Emilia Di Francesco 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)

Victoria Taylor
Notary Public



Executed this 12 day of April, 2011

Anthony Donofrio
Anthony Donofrio

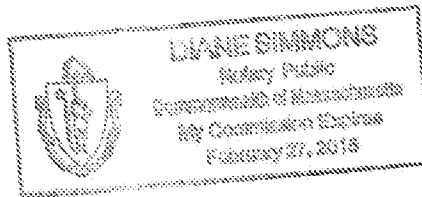
ACKNOWLEDGEMENT

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

On this 12 day of April, 2011, personally appeared before me Anthony Donofrio to me known, and known by me to be the same person 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)

Liane Simmons
Notary Public



Executed this 8 day of April, 2011

[Signature]
John Michael Ellis

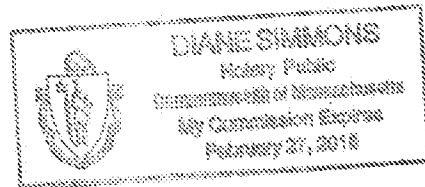
ACKNOWLEDGEMENT

Commonwealth of Massachusetts
County of Suffolk } s.s.:

On this 8 day of April, 2011, personally appeared before me John Michael Ellis 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 12 day of April, 2011

[Signature]
Christian Fischer

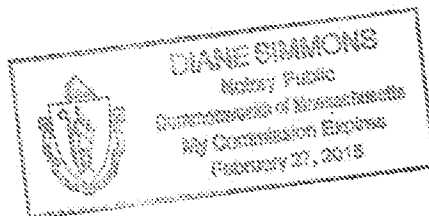
ACKNOWLEDGEMENT

Commonwealth of Massachusetts
County of Suffolk } s.s.:

On this 12 day of April, 2011, personally appeared before me Christian Fischer to me known, and known by me to be the same person 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 _____ day of _____, 20____.

Jonathan Grimm

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Jonathan Grimm 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 11 day of April, 2011.

David Joseph Guerin

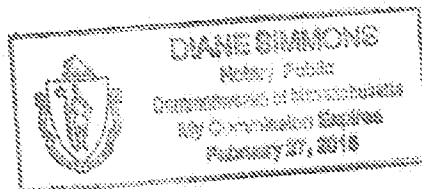
ACKNOWLEDGEMENT

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

On this 11 day of April, 2011, personally appeared before me David Joseph Guerin to me known, and known by me to be the same person 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 8 day of April, 2011
Andrew M. Haidle
Andrew M. Haidle

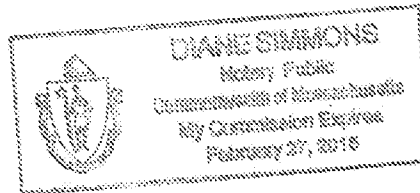
ACKNOWLEDGEMENT

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

On this 8 day of April, 2011, personally appeared before me Andrew M. Haidle 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 11 day of April, 2011.
Solomon Kattar
Solomon Kattar

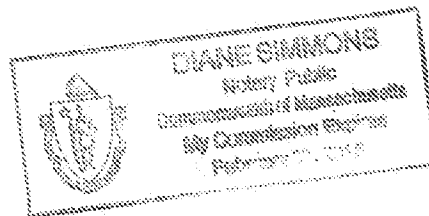
ACKNOWLEDGEMENT

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

On this 11 day of April, 2011, personally appeared before me Solomon Kattar to me known, and known by me to be the same person 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 7 day of April, 2011.

Sandra Lee Knowles
Sandra Lee Knowles

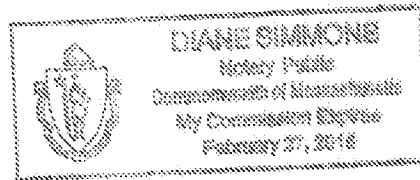
ACKNOWLEDGEMENT

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

On this 7 day of April, 2011, personally appeared before me Sandra Lee Knowles 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 8 day of April, 2011.

Chaomin Li
Chaomin Li

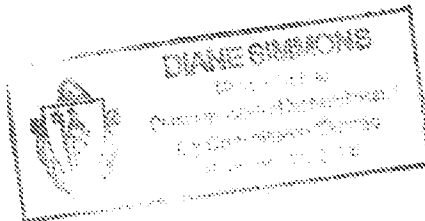
ACKNOWLEDGEMENT

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

On this 8 day of April, 2011, personally appeared before me Chaomin Li to me known, and known by me to be the same person 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 08 day of April, 2011.

[Signature]
Jongwon Lim

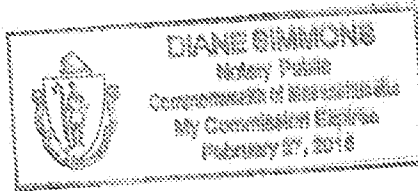
ACKNOWLEDGEMENT

Commonwealth of Massachusetts
County of Suffolk) s.s.

On this 8 day of April, 2011, personally appeared before me Jongwon Lim 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 08 day of April, 2011.

[Signature]
Michelle R. Machacek

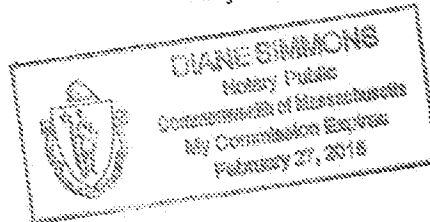
ACKNOWLEDGEMENT

Commonwealth of Massachusetts
County of Suffolk) s.s.

On this 8 day of April, 2011, personally appeared before me Michelle R. Machacek to me known, and known by me to be the same person 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 8 day of April, 2011.

[Signature]
Matthew L. Maddess

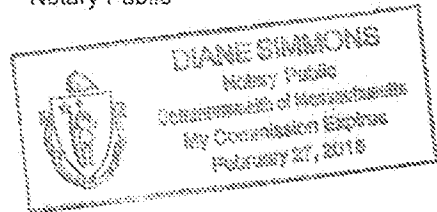
ACKNOWLEDGEMENT

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

On this 8 day of April, 2011, personally appeared before me Matthew L. Maddess 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 8 day of April, 2011.

[Signature]
Alan D. Northrup

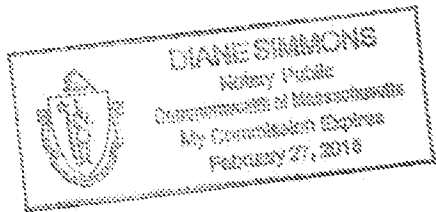
ACKNOWLEDGEMENT

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

On this 8 day of April, 2011, personally appeared before me Alan D. Northrup to me known, and known by me to be the same person 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 8th day of April, 2011.

Brendan M. O'Boyle
Brendan M. O'Boyle

ACKNOWLEDGEMENT

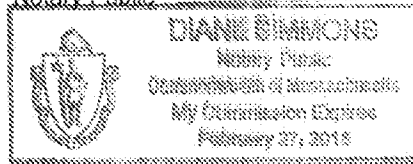
Commonwealth of Massachusetts
County of Suffolk) s.s.:

On this 8th day of April, 2011, personally appeared before me Brendan M. O'Boyle 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 8th day of April, 2011.

Ryan D. Otte
Ryan D. Otte

ACKNOWLEDGEMENT

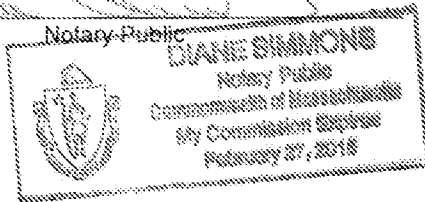
Commonwealth of Massachusetts
County of Suffolk) s.s.:

On this 8th day of April, 2011, personally appeared before me Ryan D. Otte to me known, and known by me to be the same person 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 11 day of April, 2011

Alessia Petrocchi
Alessia Petrocchi

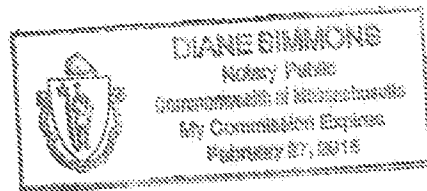
ACKNOWLEDGEMENT

Countess of Petrocchi
County of Suffolk) s.s.:

On this 11 day of April, 2011, personally appeared before me Alessia Petrocchi 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)

Diane Simmons
Notary Public



Executed this 6 day of May, 2011

Michael H. Reutershan
Michael H. Reutershan

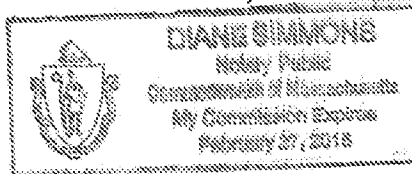
ACKNOWLEDGEMENT

Countess of Petrocchi
County of Suffolk) s.s.:

On this 6 day of April, 2011, personally appeared before me Michael H. Reutershan to me known, and known by me to be the same person 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)

Diane Simmons
Notary Public



Executed this 8 day of April, 2011

[Signature]
Eric Romeo

ACKNOWLEDGEMENT

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

On this 8 day of April, 2011, personally appeared before me Eric Romeo 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 **DIANE SIMMONS**
Notary Public
Commonwealth of Massachusetts
My Commission Expires
February 27, 2016

Executed this 11 day of April, 2011

[Signature]
Adam J. Schell

ACKNOWLEDGEMENT

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

On this 11 day of April, 2011, personally appeared before me Adam J. Schell to me known, and known by me to be the same person 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

DIANE SIMMONS
Notary Public
Commonwealth of Massachusetts
My Commission Expires
February 27, 2016

Executed this 7 day of April, 2011.

Tony Siu
Tony Siu

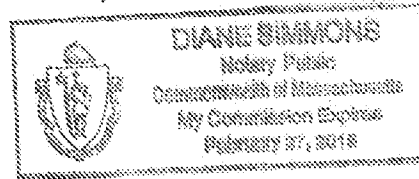
ACKNOWLEDGEMENT

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

On this 7 day of April, 2011, personally appeared before me Tony Siu 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 18 day of April, 2011.

Kerrie B. Spencer
Kerrie B. Spencer

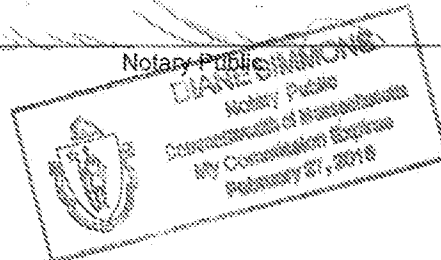
ACKNOWLEDGEMENT

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

On this 18 day of April, 2011, personally appeared before me Kerrie B. Spencer to me known, and known by me to be the same person 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 12 day of April, 2011.

[Signature]
Brandon M. Taoka

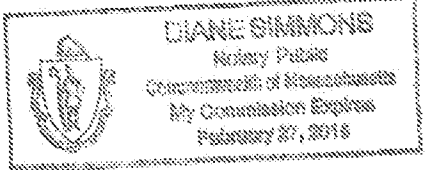
ACKNOWLEDGEMENT

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

On this 12 day of April, 2011, personally appeared before me Brandon M. Taoka 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 8 day of April, 2011.

[Signature]
B. Wesley Trotter

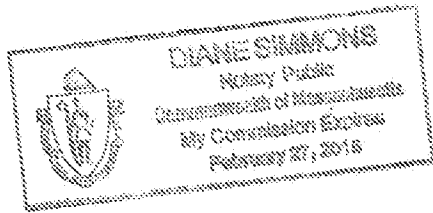
ACKNOWLEDGEMENT

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

On this 8 day of April, 2011, personally appeared before me B. Wesley Trotter to me known, and known by me to be the same person 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 3rd day of April, 2011

[Signature]
Hyun Chong Woo

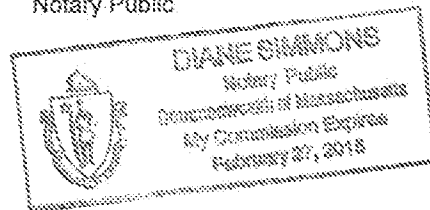
ACKNOWLEDGEMENT

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

On this 3rd day of April, 2011, personally appeared before me Hyun Chong Woo 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 8th day of April, 2011

[Signature]
Hua Zhou

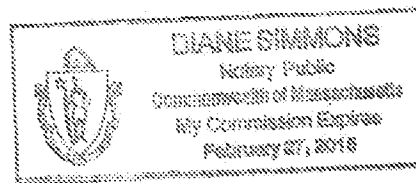
ACKNOWLEDGEMENT

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

On this 8th day of April, 2011, personally appeared before me Hua Zhou to me known, and known by me to be the same person 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



WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Michael D. Altman, located at Needham, MA 02494,
- (2) Brian M. Andersen, located at Sharon, MA 02067,
- (3) Kenneth L. Arrington, located at Revere, MA 02151,
- (4) Kaleen Konrad Childers, located at Newton, MA 02459,
- (5) Maria Emilia Di Francesco, located at Brookline, MA 02446
- (6) Anthony Donofrio, located at Cambridge, MA 02138,
- (7) John Michael Ellis, located at Needham, MA 02494,
- (8) Christian Fischer, located at Natick, MA 01760,
- (9) Jonathan Grimm, located at Newton, MA 02459,
- (10) David Joseph Guerin, located at Natick, MA 01760,
- (11) Andrew M. Haidle, located at Cambridge, MA 02138,
- (12) Solomon Kattar, located at Arlington, MA 02474,
- (13) Sandra Lee Knowles, located at Boston, MA 02215,
- (14) Chaomin Li, located at Boston, MA 02215;
- (15) Jongwon Lim, located at Lexington, MA 02420;
- (16) Michelle R. Machacek, located at Brookline, MA 02446,
- (17) Matthew L. Maddess, located at Boston, MA 02215,
- (18) Alan B. Northrup, located at Reading, MA 01867,
- (19) Brendan M. O'Boyle, located at Boston, MA 02118,
- (20) Ryan D. Otte, located at Natick, MA 01760,
- (21) Alessia Petrocchi, located at Boston, MA 02215,
- (22) Michael H. Reutershan, located at Brookline, MA 02446,
- (23) Eric Romeo, located at Allston, MA 02134,
- (24) Adam J. Schell, located at Newton, MA 02459,
- (25) Tony Siu, located at Brookline, MA 02446,
- (26) Kerrie B. Spencer, located at Woonsocket, RI 02895;
- (27) Brandon M. Taoka, located at Brookline, MA 02445,
- (28) B. Wesley Trotter, located at Newton Highlands, MA 02461,
- (29) Hyun Chong Woo, located at Natick, MA 01760,
- (30) Hua Zhou, located at Acton, MA 01720.

(hereinafter ASSIGNOR(S)), together with Satish Bhat, located at Quebec H9G 3C7, Canada, Jason Burch, located at Westmount, PQ H3Z 2M2, Canada, Bernard Cote, located at Quebec J7V 7P2, Canada, Kristina Dupont-Gaudet, located at Quebec J7V 9M9, Canada, Jean-Francois Fournier, located at Quebec H4M 2R1, Canada, Jacques Yves Gauthier, located at Quebec H7N 5C2, Canada, Daniel Guay, located at Quebec H8S 4C9, Canada, and Joel S. Robichaud, located at Quebec H9G 2L8, Canada, 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:

AMINOPYRIMIDINES AS SYK INHIBITORS

and/or in the following application(s):

- U.S. Provisional Application No. 61/287,267 filed on 12/17/2009;
- U.S. Application No. 12/968,608 having a filing date of 12/15/2010; and
- PCT International Application No. PCT/US2010/060454 having a filing date of 12/15/2010

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 _____, 20____.

Michael D. Altman

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me Michael D. Altman 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 _____, 20____.

Brian M. Andresen

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me Brian M. Andresen to me known, and known by me to be the same person 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 18 day of February, 2011
Kenneth L. Arrington
Kenneth L. Arrington

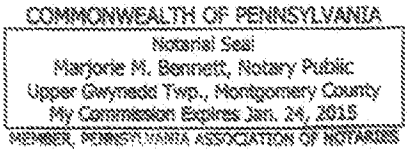
ACKNOWLEDGEMENT

Commonwealth of PA)
County of Montgomery) s.s.:

On this 18 day of February, 2011, personally appeared before me Kenneth L. Arrington 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)

Marjorie M. Bennett
Notary Public



Executed this _____ day of _____, 20____.

Kaleen Konrad Childers

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Kaleen Konrad Childers to me known, and known by me to be the same person 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 _____, 20__.

Maria Emilia Di Francesco

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me Maria Emilia Di Francesco 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 _____, 20__.

Anthony Donofrio

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me Anthony Donofrio to me known, and known by me to be the same person 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 _____, 20____.

John Michael Ellis

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me John Michael Ellis 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 _____, 20____.

Christian Fischer

ACKNOWLEDGEMENT


_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Christian Fischer to me known, and known by me to be the same person 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 20 day of May, 2011

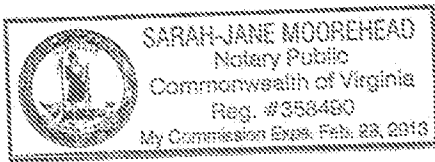

Jonathan Grimm

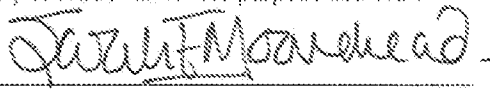
ACKNOWLEDGEMENT

State Virginia)
County of Loudoun) s.s.:

On this 20th day of May, 2011, personally appeared before me Jonathan Grimm 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 _____, 20_____

David Joseph Guerin

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20_____, personally appeared before me David Joseph Guerin to me known, and known by me to be the same person 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 _____, 20__.

Andrew M. Haidle

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20__, personally appeared before me Andrew M. Haidle 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 _____, 20__.

Solomon Kattar

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20__, personally appeared before me Solomon Kattar to me known, and known by me to be the same person 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 _____, 20__.

Sandra Lee Knowles

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Sandra Lee Knowles 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 _____, 20____.

Chaomin Li

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Chaomin Li to me known, and known by me to be the same person 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 _____, 20____.

Jongwon Lim

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Jongwon Lim 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 _____, 20____.

Michelle R. Machacek

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Michelle R. Machacek to me known, and known by me to be the same person 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 _____, 20____.

Matthew L. Maddess

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Matthew L. Maddess 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 _____, 20____.

Alan D. Northrup

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Alan D. Northrup to me known, and known by me to be the same person 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 _____, 20____.

Brendan M. O'Boyle

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me Brendan M. O'Boyle 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 _____, 20____.

Ryan D. Otte

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me Ryan D. Otte to me known, and known by me to be the same person 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 _____, 20____.

Alessia Petrocchi

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Alessia Petrocchi 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 _____, 20____.

Michael H. Reutershan

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 20____, personally appeared before me Michael H. Reutershan to me known, and known by me to be the same person 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 _____, 20____.

Eric Romeo

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me **Eric Romeo** 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 _____, 20____.

Adam J. Schell

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me **Adam J. Schell** to me known, and known by me to be the same person 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 _____, 20__.

Tony Siu

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me Tony Siu 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 _____, 20__.

Kerrie B. Spencer

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me Kerrie B. Spencer to me known, and known by me to be the same person 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 _____, 20__.

Brandon M. Taoka

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20__, personally appeared before me Brandon M. Taoka 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 _____, 20__.

B. Wesley Trotter

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20__, personally appeared before me B. Wesley Trotter to me known, and known by me to be the same person 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 _____, 20__.

Hyun Chong Woo

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:
_____)

On this ____ day of _____, 20____, personally appeared before me Hyun Chong Woo 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 _____, 20__.

Hua Zhou

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:
_____)

On this ____ day of _____, 20____, personally appeared before me Hua Zhou to me known, and known by me to be the same person 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