

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3918264

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
RICHARD BERGER	11/05/2014
TIMOTHY A. BLIZZARD	10/31/2014
BRIAN T. CAMPBELL	11/05/2014
HELEN Y. CHEN	11/10/2014
JOHN S. DEBENHAM	11/10/2014
SUNITA V. DEWNANI	11/19/2014
BYRON DUBOIS	12/05/2014
CANDIDO GUDE	11/01/2014
ZHIQIANG GUO	11/03/2014
BART HARPER	11/03/2014
ZHIYONG HU	11/10/2014
SONGNIAN LIN	11/10/2014
PING LIU	11/03/2014
MING WANG	11/03/2014
FEROZE UJJAINWALLA	11/10/2014
JIAYI XU	11/03/2014
LIBO XU	11/03/2014
RUI ZHANG	10/31/2014

**RECEIVING PARTY DATA**

<b>Name:</b>	MERCK SHARP & DOHME CORP.
<b>Street Address:</b>	126 EAST LINCOLN AVENUE
<b>Internal Address:</b>	RY86-2011A
<b>City:</b>	RAHWAY
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07065

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15104537

**CORRESPONDENCE DATA****Fax Number:** (732)594-4720*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.***Phone:** 732 594-4000**Email:** us\_efs@merck.com**Correspondent Name:** MERCK & CO., INC.**Address Line 1:** P. O. BOX 2000**Address Line 2:** RY86-2011A**Address Line 4:** RAHWAY, NEW JERSEY 07065

<b>ATTORNEY DOCKET NUMBER:</b>	23722-US-PCT
<b>NAME OF SUBMITTER:</b>	PAMELA SPALDING
<b>SIGNATURE:</b>	/Pamela Spalding/
<b>DATE SIGNED:</b>	06/15/2016

**Total Attachments: 70**

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**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- |  |   |
|--|---|
| (1) Richard Berger, located at Harleysville, PA    | (10) Bart Harper, located at New York, NY       |
| (2) Timothy A. Blizzard, located at Princeton, NJ  | (11) Zhiyong Hu, located at Livingston, NJ      |
| (3) Brian T. Campbell, located at Burlington, NJ   | (12) Songnian Lin, located at Holmdel, NJ       |
| (4) Helen Y. Chen, located at Marlboro, NJ         | (13) Ping Liu, located at Westfield, NJ         |
| (5) John S. Debenham, located at Scotch Plains, NJ | (14) Ming Wang, located at Belle Mead, NJ       |
| (6) Sunita V. Dewnani, located at Secaucus, NJ     | (15) Feroze Ujjainwalla, located at Hoboken, NJ |
| (7) Byron DuBois, located at New York, NY          | (16) Jiayi Xu, located at Marlboro, NJ          |
| (8) Candido Gude, located at Staten Island, NY     | (17) Libo Xu, located at Bridgewater, NJ        |
| (9) Zhiqiang Guo, located at Morganville, NJ       | (18) Rui Zhang, located at Plainsboro, NJ       |

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**ISOQUINOLINE DERIVATIVES AS MGAT2 INHIBITORS**

and/or in the following application(s):

U.S. Provisional Application No. 61/931,005 filed on 01/24/2014;

U.S. Application No. 15/104,537 having a filing date of 6/15/2016; and

PCT International Application No. PCT/US2015/011939 having a filing date of 1/20/2015.

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\_\_\_\_\_.

\_\_\_\_\_  
Brian T. Campbell

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Brian T. Campbell** 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 10<sup>th</sup> day of November, 2014.

Helen Y. Chen  
Helen Y. Chen

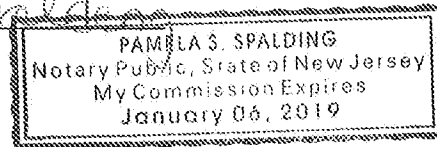
**ACKNOWLEDGEMENT**

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

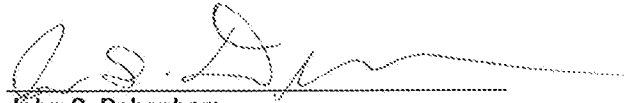
On this 10<sup>th</sup> day of November, 2014, personally appeared before me **Helen Y. Chen** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Pamela S. Spalding  
Notary Public



Executed this 10<sup>th</sup> day of November, 2014.

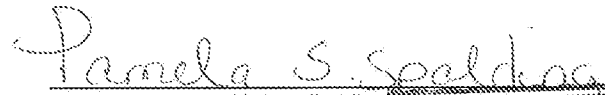
  
\_\_\_\_\_  
John S. Debenham

**ACKNOWLEDGEMENT**

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

On this 10<sup>th</sup> day of November, 2014, personally appeared before me **John S. Debenham** 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

PAMELA S. SPALDING  
Notary Public, State of New Jersey  
My Commission Expires  
January 06, 2019

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Sunita V. Dewnani

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Sunita V. Dewnani** 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\_\_\_\_.

\_\_\_\_\_  
Byron DuBois

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of New York     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Byron DuBois** 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\_\_\_\_.

\_\_\_\_\_  
Candido Gude

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of Richmond     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Candido Gude** 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 3rd day of November, 2014.

Zhiqiang Guo  
Zhiqiang Guo

**ACKNOWLEDGEMENT**

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

On this 3rd day of November, 2014, personally appeared before me **Zhiqiang Guo** 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)

Pamela S. Spalding  
Notary Public

PAMELA S. SPALDING  
Notary Public, State of New Jersey  
My Commission Expires  
January 06, 2019

Executed this 3rd day of November, 2014.

Bart Harper  
Bart Harper

**ACKNOWLEDGEMENT**

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

On this 3rd day of November, 2014, personally appeared before me **Bart Harper** 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.

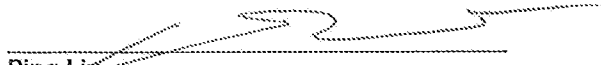
(Seal)

Pamela S. Spalding  
Notary Public

PAMELA S. SPALDING  
Notary Public, State of New Jersey  
My Commission Expires  
January 06, 2019



Executed this 3rd day of November, 2014.

  
\_\_\_\_\_  
Ping Liu

**ACKNOWLEDGEMENT**

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

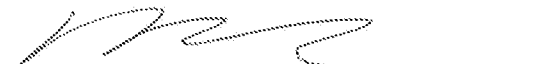
On this 3rd day of November, 2014, personally appeared before me **Ping Liu** to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

  
\_\_\_\_\_  
Notary Public

PAMELA S. SPALDING  
Notary Public, State of New Jersey  
My Commission Expires  
January 06, 2019

Executed this 3rd day of November, 2014.

  
\_\_\_\_\_  
Ming Wang

**ACKNOWLEDGEMENT**

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

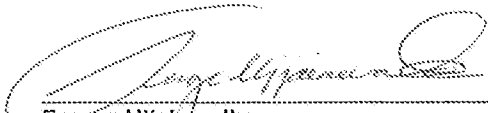
On this 3rd day of November, 2014, personally appeared before me **Ming Wang** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

  
\_\_\_\_\_  
Notary Public

PAMELA S. SPALDING  
Notary Public, State of New Jersey  
My Commission Expires  
January 06, 2019

Executed this 10<sup>th</sup> day of November, 2014.


  
\_\_\_\_\_  
Feroze Ujjainwalla

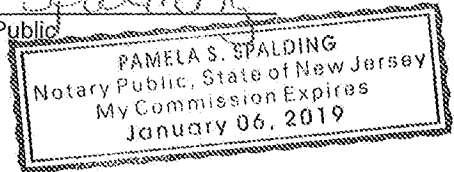
**ACKNOWLEDGEMENT**

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

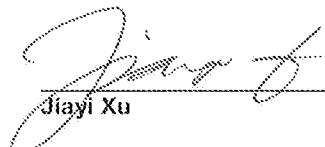
On this 10<sup>th</sup> day of November, 2014, personally appeared before me **Feroze Ujjainwalla** to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

  
\_\_\_\_\_  
Notary Public



Executed this 3<sup>rd</sup> day of November, 2014.

  
\_\_\_\_\_  
Jiayi Xu

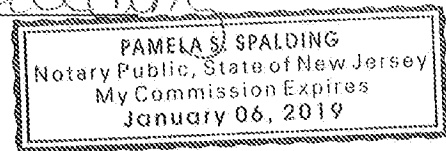
**ACKNOWLEDGEMENT**

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

On this 3<sup>rd</sup> day of November, 2014, personally appeared before me **Jiayi Xu** 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 3<sup>rd</sup> day of November, 2014.

[Signature]  
Libo Xu

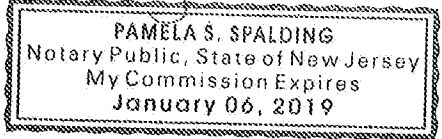
**ACKNOWLEDGEMENT**

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

On this 3<sup>rd</sup> day of November, 2014, personally appeared before me Libo 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 \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Rui Zhang

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me Rui Zhang 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

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- |  |   |
|--|---|
| (1) Richard Berger, located at Harleysville, PA    | (10) Bart Harper, located at New York, NY       |
| (2) Timothy A. Blizzard, located at Princeton, NJ  | (11) Zhiyong Hu, located at Livingston, NJ      |
| (3) Brian T. Campbell, located at Burlington, NJ   | (12) Songnian Lin, located at Holmdel, NJ       |
| (4) Helen Y. Chen, located at Marlboro, NJ         | (13) Ping Liu, located at Westfield, NJ         |
| (5) John S. Debenham, located at Scotch Plains, NJ | (14) Ming Wang, located at Belle Mead, NJ       |
| (6) Sunita V. Dewnani, located at Secaucus, NJ     | (15) Feroze Ujjainwalla, located at Hoboken, NJ |
| (7) Byron DuBois, located at New York, NY          | (16) Jiayi Xu, located at Marlboro, NJ          |
| (8) Candido Gude, located at Staten Island, NY     | (17) Libo Xu, located at Bridgewater, NJ        |
| (9) Zhiqiang Guo, located at Morganville, NJ       | (18) Rui Zhang, located at Plainsboro, NJ       |

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

ISOQUINOLINE DERIVATIVES AS MGAT2 INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 61/931,005 filed on 01/24/2014;

U.S. Application No. 15/104,537 having a filing date of 6/15/2016; and

PCT International Application No. PCT/US2015/011939 having a filing date of 1/20/2015.

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 5<sup>th</sup> day of November, 2014.

Richard Berger  
Richard Berger

**ACKNOWLEDGEMENT**

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

On this 5 day of November, 2014, personally appeared before me **Richard Berger** 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  
COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Marjorie M. Bennett, Notary Public  
Upper Gwynedd Twp., Montgomery County  
My Commission Expires Jan. 24, 2015  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Timothy A. Blizzard

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Timothy A. Blizzard** 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 5 day of November, 2014

*[Handwritten Signature]*

Brian T. Campbell

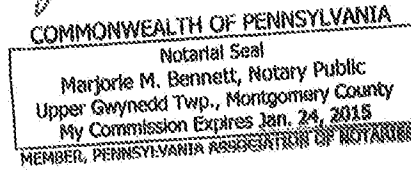
**ACKNOWLEDGEMENT**

Commonwealth Pennsylvania  
State of New Jersey )  
Montgomery ) s.s.:  
County of Burlington )

On this 5 day of November, 2014, personally appeared before me **Brian T. Campbell** 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)

*[Handwritten Signature]*  
Notary Public



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Helen Y. Chen

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Helen Y. Chen** 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 S. Debenham

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **John S. Debenham** 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\_\_\_\_.

\_\_\_\_\_  
Sunita V. Dewnani

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Sunita V. Dewnani** 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\_\_\_\_.

\_\_\_\_\_  
**Byron DuBois**

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of New York     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Byron DuBois** 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\_\_\_\_.

\_\_\_\_\_  
**Candido Gude**

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of Richmond     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Candido Gude** 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\_\_\_\_\_.

\_\_\_\_\_  
**Zhiqiang Guo**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiqiang Guo** 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\_\_\_\_\_.

\_\_\_\_\_  
**Bart Harper**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Bart Harper** 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\_\_\_\_\_.

\_\_\_\_\_  
Zhiyong Hu

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiyong Hu** 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\_\_\_\_\_.

\_\_\_\_\_  
Songnian Lin

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Songnian Lin** 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\_\_\_\_.

\_\_\_\_\_  
**Ping Liu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Ping 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 \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
**Ming Wang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Ming Wang** 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\_\_\_\_\_.

\_\_\_\_\_  
**Feroze Ujjainwalla**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Feroze Ujjainwalla** 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\_\_\_\_\_.

\_\_\_\_\_  
**Jiayi Xu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Jiayi Xu** 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\_\_\_\_.

\_\_\_\_\_  
**Libo Xu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Libo 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 \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
**Rui Zhang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Rui Zhang** 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

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Richard Berger, located at Harleysville, PA
- (2) Timothy A. Blizzard, located at Princeton, NJ
- (3) Brian T. Campbell, located at Burlington, NJ
- (4) Helen Y. Chen, located at Marlboro, NJ
- (5) John S. Debenham, located at Scotch Plains, NJ
- (6) Sunita V. Dewnani, located at Secaucus, NJ
- (7) Byron DuBois, located at New York, NY
- (8) Candido Gude, located at Staten Island, NY
- (9) Zhiqiang Guo, located at Morganville, NJ
- (10) Bart Harper, located at New York, NY
- (11) Zhiyong Hu, located at Livingston, NJ
- (12) Songnian Lin, located at Holmdel, NJ
- (13) Ping Liu, located at Westfield, NJ
- (14) Ming Wang, located at Belle Mead, NJ
- (15) Feroze Ujjainwalla, located at Hoboken, NJ
- (16) Jiayi Xu, located at Marlboro, NJ
- (17) Libo Xu, located at Bridgewater, NJ
- (18) Rui Zhang, located at Plainsboro, NJ

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

ISOQUINOLINE DERIVATIVES AS MGAT2 INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 61/931,005 filed on 01/24/2014;

U.S. Application No. 15/104,537 having a filing date of 6/15/2016; and

PCT International Application No. PCT/US2015/011939 having a filing date of 1/20/2015.

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\_\_\_\_\_.

\_\_\_\_\_  
**Brian T. Campbell**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Brian T. Campbell** 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\_\_\_\_\_.

\_\_\_\_\_  
**Helen Y. Chen**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Helen Y. Chen** 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 S. Debenham**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **John S. Debenham** 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\_\_\_\_\_.

\_\_\_\_\_  
**Sunita V. Dewnani**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Sunita V. Dewnani** 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\_\_\_\_.

\_\_\_\_\_  
**Byron DuBois**

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of New York     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Byron DuBois** 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\_\_\_\_.

\_\_\_\_\_  
**Candido Gude**

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of Richmond     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Candido Gude** 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\_\_\_\_\_.

\_\_\_\_\_  
**Zhiqiang Guo**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiqiang Guo** 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\_\_\_\_\_.

\_\_\_\_\_  
**Bart Harper**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Bart Harper** 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\_\_\_\_\_.

\_\_\_\_\_  
**Zhiyong Hu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiyong Hu** 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\_\_\_\_\_.

\_\_\_\_\_  
**Songnian Lin**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Songnian Lin** 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\_\_\_\_\_.

\_\_\_\_\_  
**Ping Liu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Ping 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 \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
**Ming Wang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Ming Wang** 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\_\_\_\_\_.

\_\_\_\_\_  
**Feroze Ujjainwalla**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Feroze Ujjainwalla** 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\_\_\_\_\_.

\_\_\_\_\_  
**Jiayi Xu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Jiayi Xu** 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\_\_\_\_.

\_\_\_\_\_  
**Libo Xu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Libo 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 \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
**Rui Zhang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Rui Zhang** 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

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- |  |   |
|--|---|
| (1) Richard Berger, located at Harleysville, PA    | (10) Bart Harper, located at New York, NY       |
| (2) Timothy A. Blizzard, located at Princeton, NJ  | (11) Zhiyong Hu, located at Livingston, NJ      |
| (3) Brian T. Campbell, located at Burlington, NJ   | (12) Songnian Lin, located at Holmdel, NJ       |
| (4) Helen Y. Chen, located at Marlboro, NJ         | (13) Ping Liu, located at Westfield, NJ         |
| (5) John S. Debenham, located at Scotch Plains, NJ | (14) Ming Wang, located at Belle Mead, NJ       |
| (6) Sunita V. Dewnani, located at Secaucus, NJ     | (15) Feroze Ujjainwalla, located at Hoboken, NJ |
| (7) Byron DuBois, located at New York, NY          | (16) Jiayi Xu, located at Marlboro, NJ          |
| (8) Candido Gude, located at Staten Island, NY     | (17) Libo Xu, located at Bridgewater, NJ        |
| (9) Zhiqiang Guo, located at Morganville, NJ       | (18) Rui Zhang, located at Plainsboro, NJ       |

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**ISOQUINOLINE DERIVATIVES AS MGAT2 INHIBITORS**

and/or in the following application(s):

U.S. Provisional Application No. 61/931,005 filed on 01/24/2014;

U.S. Application No. 15/104,537 having a filing date of 6/15/2016; and

PCT International Application No. PCT/US2015/011939 having a filing date of 1/20/2015.

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\_\_\_\_.

\_\_\_\_\_  
**Brian T. Campbell**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Brian T. Campbell** 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\_\_\_\_.

\_\_\_\_\_  
**Helen Y. Chen**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Helen Y. Chen** 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 S. Debenham**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **John S. Debenham** 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 19<sup>th</sup> day of November, 2014.

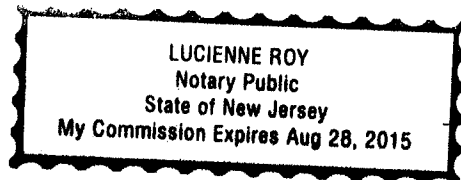
*Sunita V. Dewnani*  
\_\_\_\_\_  
**Sunita V. Dewnani**

**ACKNOWLEDGEMENT**

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

On this 19<sup>th</sup> day of November, 2014, personally appeared before me **Sunita V. Dewnani** 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\_\_\_\_\_.

\_\_\_\_\_  
**Byron DuBois**

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of New York     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Byron DuBois** 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\_\_\_\_\_.

\_\_\_\_\_  
**Candido Gude**

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of Richmond     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Candido Gude** 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\_\_\_\_\_.

\_\_\_\_\_  
**Zhiqiang Guo**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiqiang Guo** 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\_\_\_\_\_.

\_\_\_\_\_  
**Bart Harper**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Bart Harper** 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\_\_\_\_\_.

\_\_\_\_\_  
Zhiyong Hu

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiyong Hu** 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\_\_\_\_\_.

\_\_\_\_\_  
Songnian Lin

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Songnian Lin** 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\_\_\_\_\_.

\_\_\_\_\_  
**Ping Liu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Ping 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 \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
**Ming Wang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Ming Wang** 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\_\_\_\_.

\_\_\_\_\_  
**Feroze Ujjainwalla**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Feroze Ujjainwalla** 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\_\_\_\_.

\_\_\_\_\_  
**Jiayi Xu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Jiayi Xu** 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\_\_\_\_\_.

\_\_\_\_\_  
**Libo Xu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Libo 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 \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
**Rui Zhang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Rui Zhang** 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

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- |  |   |
|--|---|
| (1) Richard Berger, located at Harleysville, PA    | (10) Bart Harper, located at New York, NY       |
| (2) Timothy A. Blizzard, located at Princeton, NJ  | (11) Zhiyong Hu, located at Livingston, NJ      |
| (3) Brian T. Campbell, located at Burlington, NJ   | (12) Songnian Lin, located at Holmdel, NJ       |
| (4) Helen Y. Chen, located at Marlboro, NJ         | (13) Ping Liu, located at Westfield, NJ         |
| (5) John S. Debenham, located at Scotch Plains, NJ | (14) Ming Wang, located at Belle Mead, NJ       |
| (6) Sunita V. Dewnani, located at Secaucus, NJ     | (15) Feroze Ujjainwalla, located at Hoboken, NJ |
| (7) Byron DuBois, located at New York, NY          | (16) Jiayi Xu, located at Marlboro, NJ          |
| (8) Candido Gude, located at Staten Island, NY     | (17) Libo Xu, located at Bridgewater, NJ        |
| (9) Zhiqiang Guo, located at Morganville, NJ       | (18) Rui Zhang, located at Plainsboro, NJ       |

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

ISOQUINOLINE DERIVATIVES AS MGAT2 INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 61/931,005 filed on 01/24/2014;

U.S. Application No. 15/104,537 having a filing date of 6/15/2016; and

PCT International Application No. PCT/US2015/011939 having a filing date of 1/20/2015.

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\_\_\_\_.

\_\_\_\_\_  
**Brian T. Campbell**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Brian T. Campbell** 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\_\_\_\_.

\_\_\_\_\_  
**Helen Y. Chen**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Helen Y. Chen** 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 S. Debenham**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **John S. Debenham** 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\_\_\_\_.

\_\_\_\_\_  
**Sunita V. Dewnani**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Sunita V. Dewnani** 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\_\_\_\_\_.

\_\_\_\_\_  
Byron DuBois

**ACKNOWLEDGEMENT**

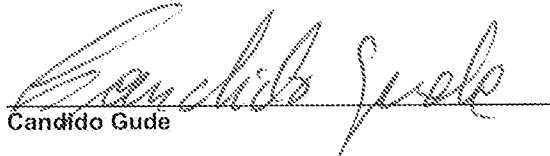
State of New York        )  
                                  ) s.s.:  
County of New York     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Byron DuBois** 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 1 day of November, 2014.

  
\_\_\_\_\_  
Candido Gude

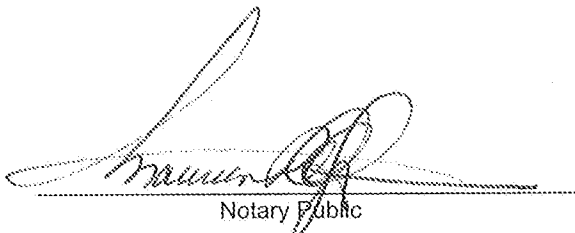
**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of Richmond     )

On this 1 day of November, 2014, personally appeared before me **Candido Gude** 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)

MAUREEN P DeANGELO  
Notary Public, State of New York  
No. 40-4806216  
Qualified in Richmond County  
Commission Expires Jan. 31, 2015

  
\_\_\_\_\_  
Notary Public



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
**Zhiqiang Guo**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiqiang Guo** 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\_\_\_\_\_.

\_\_\_\_\_  
**Bart Harper**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Bart Harper** 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\_\_\_\_\_.

\_\_\_\_\_  
Zhiyong Hu

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiyong Hu** 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\_\_\_\_\_.

\_\_\_\_\_  
Songnian Lin

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Songnian Lin** 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\_\_\_\_\_.

\_\_\_\_\_  
**Ping Liu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Ping 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 \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
**Ming Wang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Ming Wang** 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\_\_\_\_\_.

\_\_\_\_\_  
**Feroze Ujjainwalla**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Feroze Ujjainwalla** 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\_\_\_\_\_.

\_\_\_\_\_  
**Jiayi Xu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Jiayi Xu** 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\_\_\_\_\_.

\_\_\_\_\_  
**Libo Xu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Libo 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 \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
**Rui Zhang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Rui Zhang** 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

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- |  |   |
|--|---|
| (1) Richard Berger, located at Harleysville, PA    | (10) Bart Harper, located at New York, NY       |
| (2) Timothy A. Blizzard, located at Princeton, NJ  | (11) Zhiyong Hu, located at Livingston, NJ      |
| (3) Brian T. Campbell, located at Burlington, NJ   | (12) Songnian Lin, located at Holmdel, NJ       |
| (4) Helen Y. Chen, located at Marlboro, NJ         | (13) Ping Liu, located at Westfield, NJ         |
| (5) John S. Debenham, located at Scotch Plains, NJ | (14) Ming Wang, located at Belle Mead, NJ       |
| (6) Sunita V. Dewnani, located at Secaucus, NJ     | (15) Feroze Ujjainwalla, located at Hoboken, NJ |
| (7) Byron DuBois, located at New York, NY          | (16) Jiayi Xu, located at Marlboro, NJ          |
| (8) Candido Gude, located at Staten Island, NY     | (17) Libo Xu, located at Bridgewater, NJ        |
| (9) Zhiqiang Guo, located at Morganville, NJ       | (18) Rui Zhang, located at Plainsboro, NJ       |

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

ISOQUINOLINE DERIVATIVES AS MGAT2 INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 61/931,005 filed on 01/24/2014;

U.S. Application No. 15/104,537 having a filing date of 6/15/2016; and

PCT International Application No. PCT/US2015/011939 having a filing date of 1/20/2015.

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\_\_\_\_\_.

\_\_\_\_\_  
**Brian T. Campbell**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Brian T. Campbell** 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\_\_\_\_\_.

\_\_\_\_\_  
**Helen Y. Chen**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Helen Y. Chen** 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 S. Debenham**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **John S. Debenham** 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\_\_\_\_.

\_\_\_\_\_  
**Sunita V. Dewnani**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Sunita V. Dewnani** 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\_\_\_\_.

\_\_\_\_\_  
**Byron DuBois**

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of New York     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Byron DuBois** 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\_\_\_\_.

\_\_\_\_\_  
**Candido Gude**

**ACKNOWLEDGEMENT**

State of New York        )  
                                  ) s.s.:  
County of Richmond     )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Candido Gude** 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\_\_\_\_.

\_\_\_\_\_  
**Zhiqiang Guo**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Zhiqiang Guo** 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\_\_\_\_.

\_\_\_\_\_  
**Bart Harper**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Bart Harper** 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\_\_\_\_\_.

\_\_\_\_\_  
Zhiyong Hu

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiyong Hu** 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\_\_\_\_\_.

\_\_\_\_\_  
Songnian Lin

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Songnian Lin** 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\_\_\_\_.

\_\_\_\_\_  
**Ping Liu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Ping 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 \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
**Ming Wang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Ming Wang** 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\_\_\_\_.

\_\_\_\_\_  
Feroze Ujjainwalla

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Feroze Ujjainwalla** 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\_\_\_\_.

\_\_\_\_\_  
Jiayi Xu

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Jiayi Xu** 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\_\_\_\_\_.

\_\_\_\_\_  
Libo Xu

**ACKNOWLEDGEMENT**


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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Libo 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 31<sup>st</sup> day of Oct., 2014

  
\_\_\_\_\_  
Rui Zhang

**ACKNOWLEDGEMENT**

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

On this 31 day of October, 2014, personally appeared before me **Rui Zhang** 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

**Ann LaTourette**  
**NOTARY PUBLIC OF NEW JERSEY**  
**I.D. # 2413879**  
**My Commission Expires 10/25/2018**

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- |  |   |
|--|---|
| (1) Richard Berger, located at Harleysville, PA    | (10) Bart Harper, located at New York, NY       |
| (2) Timothy A. Blizzard, located at Princeton, NJ  | (11) Zhiyong Hu, located at Livingston, NJ      |
| (3) Brian T. Campbell, located at Burlington, NJ   | (12) Songnian Lin, located at Holmdel, NJ       |
| (4) Helen Y. Chen, located at Marlboro, NJ         | (13) Ping Liu, located at Westfield, NJ         |
| (5) John S. Debenham, located at Scotch Plains, NJ | (14) Ming Wang, located at Belle Mead, NJ       |
| (6) Sunita V. Dewnani, located at Secaucus, NJ     | (15) Feroze Ujjainwalla, located at Hoboken, NJ |
| (7) Byron DuBois, located at New York, NY          | (16) Jiayi Xu, located at Marlboro, NJ          |
| (8) Candido Gude, located at Staten Island, NY     | (17) Libo Xu, located at Bridgewater, NJ        |
| (9) Zhiqiang Guo, located at Morganville, NJ       | (18) Rui Zhang, located at Plainsboro, NJ       |

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

ISOQUINOLINE DERIVATIVES AS MGAT2 INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 61/931,005 filed on 01/24/2014;

U.S. Application No. 15/104,537 having a filing date of 6/15/2016; and

PCT International Application No. PCT/US2015/011939 having a filing date of 1/20/2015.

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\_\_\_\_\_.

\_\_\_\_\_  
**Brian T. Campbell**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Brian T. Campbell** 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\_\_\_\_\_.

\_\_\_\_\_  
**Helen Y. Chen**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Helen Y. Chen** 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 S. Debenham**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **John S. Debenham** 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\_\_\_\_.

\_\_\_\_\_  
**Sunita V. Dewnani**

**ACKNOWLEDGEMENT**

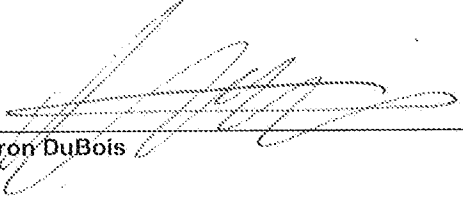
State of New Jersey        )  
  ) s.s.:  
County of Hudson         )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Sunita V. Dewnani** 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

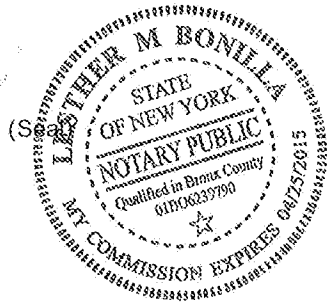
Executed this 5<sup>th</sup> day of December, 2014.

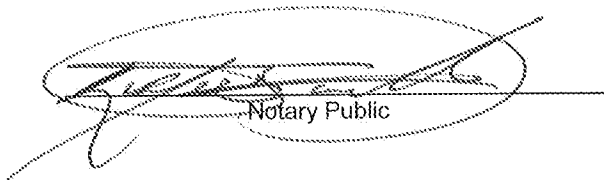
  
Byron DuBois

**ACKNOWLEDGEMENT**

State of New York            )  
  ) s.s.:  
County of New York         )

On this 5<sup>th</sup> day of December, 2014, personally appeared before me **Byron DuBois** 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.



  
Notary Public

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Candido Gude

**ACKNOWLEDGEMENT**

State of New York            )  
  ) s.s.:  
County of Richmond         )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Candido Gude** 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\_\_\_\_.

\_\_\_\_\_  
**Zhiqiang Guo**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Zhiqiang Guo** 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\_\_\_\_.

\_\_\_\_\_  
**Bart Harper**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Bart Harper** 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\_\_\_\_\_.

\_\_\_\_\_  
**Zhiyong Hu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Zhiyong Hu** 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\_\_\_\_\_.

\_\_\_\_\_  
**Songnian Lin**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, personally appeared before me **Songnian Lin** 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\_\_\_\_.

\_\_\_\_\_  
**Ping Liu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Ping 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 \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
**Ming Wang**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Ming Wang** 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\_\_\_\_.

\_\_\_\_\_  
**Feroze Ujjainwalla**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Feroze Ujjainwalla** 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\_\_\_\_.

\_\_\_\_\_  
**Jiayi Xu**

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Jiayi Xu** 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\_\_\_\_.

\_\_\_\_\_  
Libo Xu

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Libo 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 \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Rui Zhang

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Rui Zhang** 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