

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3709712

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHRISTIANE BOEZIO	06/02/2015
ALESSANDRO BOEZIO	06/01/2015
HOWARD BREGMAN	06/01/2015
NAGASREE CHAKKA	06/01/2015
JAMES R. COATS	09/01/2015
KATRINA W. COPELAND	08/28/2015
ERIN F. DIMAURO	06/01/2015
HUA GAO	06/01/2015
DANIEL LA	06/01/2015
ISAAC E. MARX	06/01/2015
HANH NHO NGUYEN	08/28/2015
EMILY PETERSON	06/01/2015
MATTHEW WEISS	06/01/2015
THOMAS DINEEN	12/16/2015
RECEIVING PARTY DATA	
Name:	AMGEN INC.
Street Address:	ONE AMGEN CENTER DR.
City:	THOUSAND OAKS
State/Country:	CALIFORNIA
Postal Code:	91320
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14377478
CORRESPONDENCE DATA	
Fax Number:	(805)499-8011
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	805-447-7926
Email:	podgorny@amgen.com

Correspondent Name: AMGEN INC.
Address Line 1: ONE AMGEN CENTER DR.
Address Line 2: PATENT OPERATIONS MS 28-2-C
Address Line 4: THOUSAND OAKS, CALIFORNIA 91320

ATTORNEY DOCKET NUMBER: A-1692-US-PCT

NAME OF SUBMITTER: KAREN PODGORNÝ

SIGNATURE: /Karen Podgorny/

DATE SIGNED: 01/25/2016

Total Attachments: 18

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ASSIGNMENT

Whereas, I/we, Christiane BOEZIO, 54 Myrtle Street, #1, Somerville, MA 02145 US

Alessandro BOEZIO, 54 Myrtle Street, #1, Somerville, MA 02145 US

Howard BREGMAN 12 Howard Street, Melrose, MA 02176 US

Nagasree CHAKKA, 16 Wellington Avenue, Lexington, MA 02421 US

James R. COATS, 1027 SW Leschi Drive, Oak Harbor, WA 98277 US

Katrina W. COPELAND, 845 West Falmouth Hwy, Falmouth, MA, 02540 US

Erin F. DIMAURO, 250 Chestnut Street, Cambridge, MA 02139 US

Thomas DINEEN, 36 Waterhouse Street, Somerville, MA 02144 US

Hua GAO, 11 Heather Lane, Canton, MA 02021 US

Daniel LA, 124 Park Street, #3, Brookline, MA 02446 US

Isaac E. MARX, 7 Michael Street, Arlington, MA 02474 US

Hanh Nho NGUYEN, 293 Moccasin Trail West, Jupiter, FL 33458 US

Emily PETERSON, 60 Fairfield Street, Apt. 3, Cambridge, MA 02140 US

Matthew WEISS, 99 Revere Street, Boston, MA 02114 US

(hereinafter referred to as ASSIGNOR), have made an invention which is the subject of an application for Letters Patent of the United States; and/or is the subject of a provisional application; and/or is the subject of an international application; and/or is the subject of other patent application(s) in other jurisdictions worldwide ("Application") entitled

Dihydrobenzoxazine And Tetrahydroquinoxaline Sodium Channel Inhibitors

which is found in:

- US Application Serial No. 14/377,478 filed February 12, 2013; which claims the benefit of U.S. Provisional Application No. 61/598,136 filed February 13, 2012.

Whereas AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center Drive, Thousand Oaks, California 91320-1799 wishes to acquire the entire right, title, and interest in all inventions disclosed in such Application;

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto AMGEN INC., its successors and assigns (collectively "ASSIGNEE") ASSIGNOR'S entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom.

all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications based on the above identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, and any extensions thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

Further, ASSIGNOR hereby sells, assigns, transfers, and sets over unto ASSIGNEE ASSIGNOR'S entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by ASSIGNOR or at ASSIGNOR'S direction or deposited on ASSIGNOR'S behalf by ASSIGNEE, its affiliates, employees, or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, ASSIGNOR'S unreserved and irrevocable consent and authorization to ASSIGNEE to refer to the deposited microorganism(s) or other biological material(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any foreign Patent Office authority to issue any such Letters Patent which may be granted on the Application to ASSIGNEE as assignee of the entire right, title and interest therein and thereto.

For ASSIGNOR and for ASSIGNOR'S legal representatives, ASSIGNOR covenants and agrees with ASSIGNEE that ASSIGNOR has not granted to any others any license to make, use or sell any of such inventions, that ASSIGNOR'S right, title and interest in such inventions has not been encumbered, that ASSIGNOR has good right and title to sell and assign the same, and that ASSIGNOR will not execute any instrument in conflict herewith.

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 2 2015
(Month, Day) (Year)

Christiane Boezio
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

On this the 2nd day of June, 2015, before me,
Day Month Year

Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Christiane Boezio
Name(s) of Signer(s)

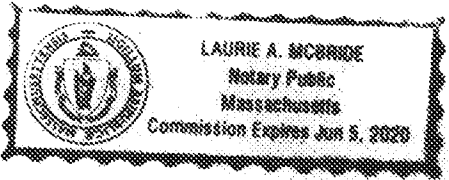
proved to me through satisfactory evidence of identity, which was/were _____

MA driver's license, to be the person(s)
Description of Evidence of Identity

whose name(s) is/are signed on the preceding or attached document, and acknowledged to me that he/she/they signed it voluntarily for its stated purpose.

Laurie A. McBride
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public



My Commission Expires: June 5, 2020

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 1 2015
(Month/Day) (Year)

Alessandro Boezio
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

On this the 1st day of June, 2015, before me,
Day Month Year

Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Alessandro Boezio
Name(s) of Signer(s)

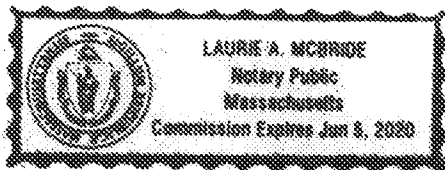
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[Signature]
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public



My Commission Expires: June 5, 2020

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 1 2015
(Month, Day) (Year)

Howard Bregman
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

On this the 1st day of June, 2015, before me,
Day Month Year

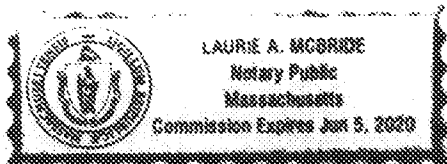
Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Howard Bregman
Name(s) of Signer(s)

proved to me through satisfactory evidence of identity, which was/were _____

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[Signature]
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public

My Commission Expires: June 5, 2020

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 1 2015
(Month, Day) (Year)

Nagasree Chakka (Name of Inventor) [Signature] (Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

On this the 1st day of June, 2015, before me,
Day Month Year

Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Nagasree Chakka
Name(s) of Signer(s)

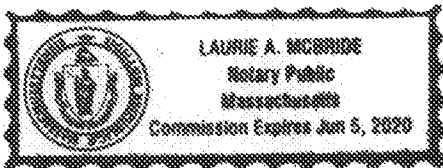
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[Signature]
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public



My Commission Expires: June 5, 2020

STATE OF WASHINGTON

In Witness Whereof I have executed this assignment on September, 1 2015
(Month, Day) (Year)

James R. COATS
(Name of Inventor)

James R Coats
(Signature of Inventor)

UNITED STATES OF AMERICA

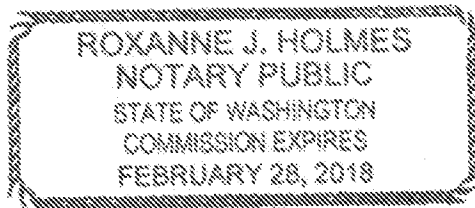
State of Washington }
County of SNOWYOWAY } ss.

I certify that I know or have satisfactory evidence that *James R Coats*
Name of Signer

is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated: 09/01/2015
Month/Day/Year

Roxanne J Holmes
Signature of Notarizing Officer



Notary Public State of Washington
Title

My appointment expires:
02/28/2018
Month/Day/Year of Appointment Expiration

Place Notary Seal and/or Stamp Above

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on August 28 2015.
(Month, Day) (Year)

Katrina W. COPELAND
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Barnstable ss.

On this the 28th day of August, 2015, before me,
Day Month Year

Kathleen Chartier, the undersigned Notary Public,
Name of Notary Public

personally appeared Katrina W. Copeland
Name(s) of Signer(s)

proved to me through satisfactory evidence of identity, which was/were _____

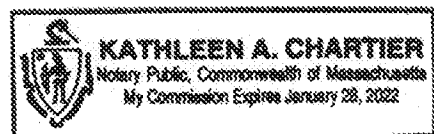
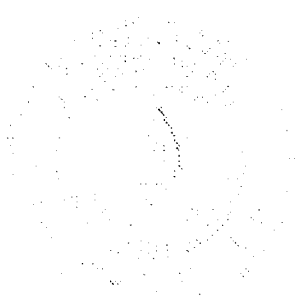
MA DL 572861985, to be the person(s)
Description of Evidence of Identity

whose name(s) is/are signed on the preceding or attached document, and acknowledged to me that he/she/they signed it voluntarily for its stated purpose.

[Signature]
Signature of Notary Public

Kathleen Chartier
Printed Name of Notary Public

My Commission Expires: 01/28/2022



COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 1 2015,
(Month, Day) (Year)

Erin F. DiMauro
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

On this the 1st day of June, 2015, before me,
Day Month Year

Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Erin F. DiMauro
Name(s) of Signer(s)

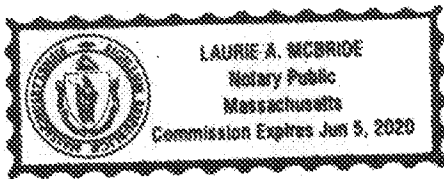
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[Signature]
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public



My Commission Expires: June 5, 2020

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 1 2015,
(Month, Day) (Year)

Hua Gao
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

On this the 1st day of June, 2015, before me,
Day Month Year

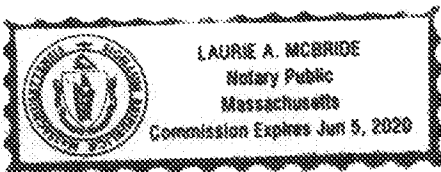
Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Hua Gao
Name(s) of Signer(s)

proved to me through satisfactory evidence of identity, which was/were _____

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[Signature]
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public

My Commission Expires: JUN 5, 2020

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 1 20 15
(Month, Day) (Year)

Daniel LA
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

On this the 1st day of June, 2015, before me,
Day Month Year

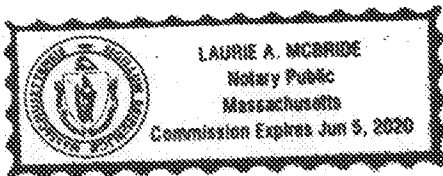
Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Daniel LA
Name(s) of Signer(s)

proved to me through satisfactory evidence of identity, which was/were _____

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Laurie A. McBride
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public

My Commission Expires: June 5, 2020

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 1 2015,
(Month, Day) (Year)

Isaac E. Marx
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

On this the 15th day of June, 2015, before me,
Day Month Year

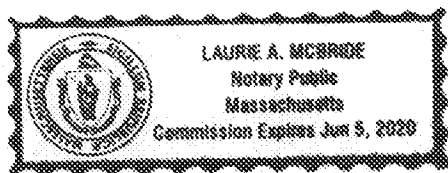
Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Isaac E. Marx
Name(s) of Signer(s)

proved to me through satisfactory evidence of identity, which was/were _____

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Laurie A. McBride
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public

My Commission Expires: June 5, 2020

STATE OF FLORIDA

In Witness Whereof I have executed this assignment on August 28 2015
(Month, Day) (Year)

Hanh Nho NGUYEN
(Name of Inventor)

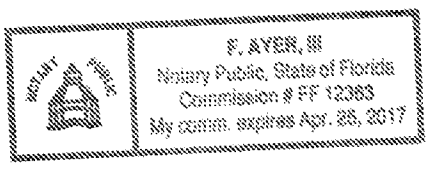
[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of Florida }
County of Palm Beach } ss.

I certify that I know or have satisfactory evidence that Hanh Nho Nguyen
Name of Signer

is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.



Dated: 08/28/2015
Month/Day/Year

[Signature]
Signature of Notarizing Officer

Notary Public
Title

My appointment expires:
April/25/2017
Month/Day/Year of Appointment Expiration

Place Notary Seal and/or Stamp Above

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 1 2015.
(Month, Day) (Year)

Emily Peterson
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

On this the 1st day of June, 2015, before me,
Day Month Year

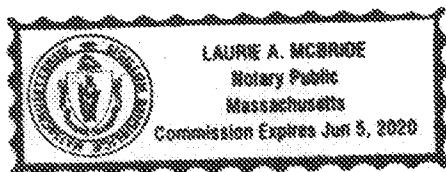
Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Emily Peterson
Name(s) of Signer(s)

proved to me through satisfactory evidence of identity, which was/were _____

MA driver's license, to be the person(s)
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Laurie A. McBride
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public

My Commission Expires: June 5, 2020

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on June 1 2015.
(Month, Day) (Year)

Matthew Weiss
(Name of Inventor)

[Signature]
(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

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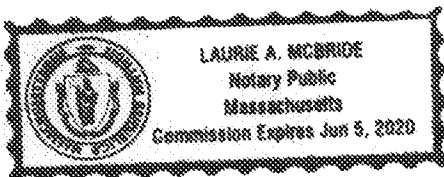
Laurie A. McBride, the undersigned Notary Public,
Name of Notary Public

personally appeared Matthew Weiss
Name(s) of Signer(s)

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Laurie A. McBride
Signature of Notary Public

Laurie A. McBride
Printed Name of Notary Public

My Commission Expires: June 5, 2020

ASSIGNMENT

Whereas, I/we, Christiane BOEZIO, 54 Myrtle Street, #1, Somerville, MA 02145 US

Alessandro BOEZIO, 54 Myrtle Street, #1, Somerville, MA 02145 US

Howard BREGMAN 12 Howard Street, Melrose, MA 02176 US

Nagasree CHAKKA, 16 Wellington Avenue, Lexington, MA 02421 US

James R. COATS, 1027 SW Leschi Drive, Oak Harbor, WA 98277 US

Katrina W. COPELAND, 845 West Falmouth Hwy, Falmouth, MA, 02540 US

Erin F. DIMAURO, 250 Chestnut Street, Cambridge, MA 02139 US

Thomas DINEEN, 36 Waterhouse Street, Somerville, MA 02144 US

Hua GAO, 11 Heather Lane, Canton, MA 02021 US

Daniel LA, 124 Park Street, #3, Brookline, MA 02446 US

Isaac E. MARX, 7 Michael Street, Arlington, MA 02474 US

Hanh Nho NGUYEN, 185 Brattle Street, Arlington, MA, 02474 US

Emily PETERSON, 60 Fairfield Street, Apt. 3, Cambridge, MA 02140 US

Matthew WEISS, 99 Revere Street, Boston, MA 02114 US

(hereinafter referred to as ASSIGNOR), have made an invention which is the subject of an application for Letters Patent of the United States; and/or is the subject of a provisional application; and/or is the subject of an international application; and/or is the subject of other patent application(s) in other jurisdictions worldwide ("Application") entitled

Dihydrobenzoxazine And Tetrahydroquinoxaline Sodium Channel Inhibitors

which is found in:

- US Application Serial No. 14/377,478 filed February 12, 2013; which claims the benefit of U.S. Provisional Application No. 61/598,136 filed February 13, 2012.

Whereas AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center Drive, Thousand Oaks, California 91320-1799 wishes to acquire the entire right, title, and interest in all inventions disclosed in such Application;

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto AMGEN INC., its successors and assigns (collectively "ASSIGNEE") ASSIGNOR'S entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom,

all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications based on the above identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, and any extensions thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

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ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any foreign Patent Office authority to issue any such Letters Patent which may be granted on the Application to ASSIGNEE as assignee of the entire right, title and interest therein and thereto.

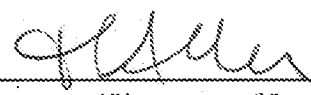
For ASSIGNOR and for ASSIGNOR'S legal representatives, ASSIGNOR covenants and agrees with ASSIGNEE that ASSIGNOR has not granted to any others any license to make, use or sell any of such inventions, that ASSIGNOR'S right, title and interest in such inventions has not been encumbered, that ASSIGNOR has good right and title to sell and assign the same, and that ASSIGNOR will not execute any instrument in conflict herewith.

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

COMMONWEALTH OF MASSACHUSETTS

In Witness Whereof I have executed this assignment on December 16th 2015.
(Month, Day) (Year)

Thomas DINEEN



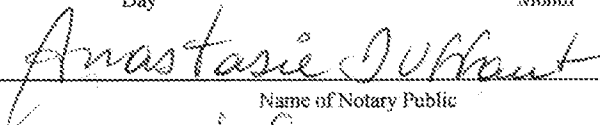
(Name of Inventor)

(Signature of Inventor)

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex ss.

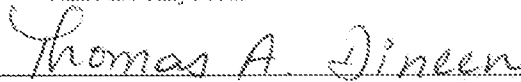
On this the 16th day of December, 2015, before me,
Day Month Year



Name of Notary Public

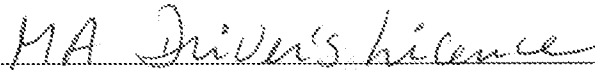
, the undersigned Notary Public,

personally appeared



Name(s) of Signer(s)

proved to me through satisfactory evidence of identity, which was/were _____

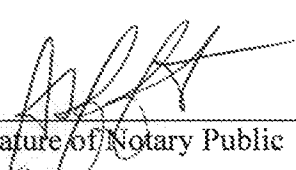
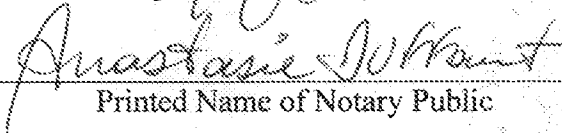


Description of Evidence of Identity

, to be the person(s)

whose name(s) is/are signed on the preceding or attached document, and acknowledged to me

that he/she/they signed it voluntarily for its stated purpose.


Signature of Notary Public
Printed Name of Notary Public

My Commission Expires: June 24, 2022



ANASTASIE DUFAUT
Notary Public
Commonwealth of Massachusetts
My Commission Expires June 24, 2022