

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3240795

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANGELA M. AMEND KWASNIK	02/03/2015
BENJAMIN R. BARTFELD	01/12/2015
PETER BASILE	12/16/2014
JEFFREY C. GIVAND	12/18/2014
PHILIP G. GREEN	12/17/2014
SHARAD GUPTA	12/17/2014
CHRISTIN L. O'NEILL	12/22/2014
STEVEN CARL PERSAK	01/13/2015
ROBERT STIANCHI	01/17/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MERCK SHARP & DOHME CORP.
<b>Street Address:</b>	126 EAST LINCOLN AVENUE
<b>City:</b>	RAHWAY
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07065-0900
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	29500640
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)594-4720
<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>	
<b>Email:</b>	US_efs@merck.com
<b>Correspondent Name:</b>	MERCK SHARP & DOHME CORP.
<b>Address Line 1:</b>	126 EAST LINCOLN AVENUE
<b>Address Line 2:</b>	RY86-2011A
<b>Address Line 4:</b>	RAHWAY, NEW JERSEY 07065-0900
<b>ATTORNEY DOCKET NUMBER:</b>	23779
<b>NAME OF SUBMITTER:</b>	JOHN DAVID REILLY

<b>SIGNATURE:</b>	/John David Reilly, Reg. #43039/
<b>DATE SIGNED:</b>	02/25/2015
<b>Total Attachments: 54</b> source=23779-ASSIGN-MSD-25FEB2015#page1.tif source=23779-ASSIGN-MSD-25FEB2015#page2.tif source=23779-ASSIGN-MSD-25FEB2015#page3.tif source=23779-ASSIGN-MSD-25FEB2015#page4.tif source=23779-ASSIGN-MSD-25FEB2015#page5.tif source=23779-ASSIGN-MSD-25FEB2015#page6.tif source=23779-ASSIGN-MSD-25FEB2015#page7.tif source=23779-ASSIGN-MSD-25FEB2015#page8.tif source=23779-ASSIGN-MSD-25FEB2015#page9.tif source=23779-ASSIGN-MSD-25FEB2015#page10.tif source=23779-ASSIGN-MSD-25FEB2015#page11.tif source=23779-ASSIGN-MSD-25FEB2015#page12.tif source=23779-ASSIGN-MSD-25FEB2015#page13.tif source=23779-ASSIGN-MSD-25FEB2015#page14.tif source=23779-ASSIGN-MSD-25FEB2015#page15.tif source=23779-ASSIGN-MSD-25FEB2015#page16.tif source=23779-ASSIGN-MSD-25FEB2015#page17.tif source=23779-ASSIGN-MSD-25FEB2015#page18.tif source=23779-ASSIGN-MSD-25FEB2015#page19.tif source=23779-ASSIGN-MSD-25FEB2015#page20.tif source=23779-ASSIGN-MSD-25FEB2015#page21.tif source=23779-ASSIGN-MSD-25FEB2015#page22.tif source=23779-ASSIGN-MSD-25FEB2015#page23.tif source=23779-ASSIGN-MSD-25FEB2015#page24.tif source=23779-ASSIGN-MSD-25FEB2015#page25.tif source=23779-ASSIGN-MSD-25FEB2015#page26.tif source=23779-ASSIGN-MSD-25FEB2015#page27.tif source=23779-ASSIGN-MSD-25FEB2015#page28.tif source=23779-ASSIGN-MSD-25FEB2015#page29.tif source=23779-ASSIGN-MSD-25FEB2015#page30.tif source=23779-ASSIGN-MSD-25FEB2015#page31.tif source=23779-ASSIGN-MSD-25FEB2015#page32.tif source=23779-ASSIGN-MSD-25FEB2015#page33.tif source=23779-ASSIGN-MSD-25FEB2015#page34.tif source=23779-ASSIGN-MSD-25FEB2015#page35.tif source=23779-ASSIGN-MSD-25FEB2015#page36.tif source=23779-ASSIGN-MSD-25FEB2015#page37.tif source=23779-ASSIGN-MSD-25FEB2015#page38.tif source=23779-ASSIGN-MSD-25FEB2015#page39.tif source=23779-ASSIGN-MSD-25FEB2015#page40.tif source=23779-ASSIGN-MSD-25FEB2015#page41.tif source=23779-ASSIGN-MSD-25FEB2015#page42.tif source=23779-ASSIGN-MSD-25FEB2015#page43.tif source=23779-ASSIGN-MSD-25FEB2015#page44.tif	

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source=23779-ASSIGN-MSD-25FEB2015#page54.tif

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
- (2) Benjamin R. Bartfeld, located at West Orange, New Jersey,
- (3) Peter Basile, located at Bloomsbury, New Jersey,
- (4) Jeffrey C. Givand, located at North Wales, Pennsylvania,
- (5) Philip G. Green, located at Weehawken, New Jersey,
- (6) Sharad Gupta, located at Madison, New Jersey,
- (7) Christin L. O'Neill, located at Philadelphia, Pennsylvania,
- (8) Steven Carl Persak, located at Lebanon, New Jersey,
- (9) Robert Stianchi, located at Hillsborough, New Jersey

(hereinafter ASSIGNOR(S)), together with:

Ari Tao Adler, located at Cambridge, Massachusetts,  
Florian Altmann, located at München, Germany,  
Pernilla Danielsson, located at Bromma, Sweden  
Thomas Junk, located at München, Germany,  
Florian Kössler, located at München, Germany,  
Scott R. Mackie, located at New Haven, Connecticut  
Martin Meier, located at München, Germany,

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**MEDICAL INJECTOR DEVICE**

and/or in the following application(s):

U.S. Patent Application No. 29/500,636, having a filing date of August 27, 2014 (Docket No. 23778-US-DP);  
U.S. Patent Application No. 29/500,640, having a filing date of August 27, 2014 (Docket No. 23779-US-DP);  
U.S. Patent Application No. 29/500,644, having a filing date of August 27, 2014 (Docket No. 23780-US-DP);  
U.S. Patent Application No. 29/500,648, having a filing date of August 27, 2014 (Docket No. 23781-US-DP);  
U.S. Patent Application No. 29/500,651, having a filing date of August 27, 2014 (Docket No. 23782-US-DP).

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 3 day of February, 2015

Angela M. Amend Kwasnik

**ACKNOWLEDGEMENT**

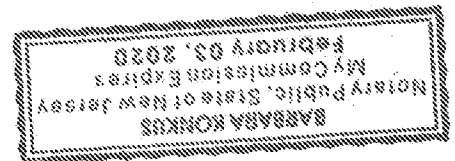
State of: NI

County of: Somerset

On this 3 day of February, 2015, personally appeared before me **Angela M. Amend Kwasnik** 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)

Bar Kulk  
Notary Public



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

Benjamin R. Bartfeld

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Benjamin R. Bartfeld** 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

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Peter Basile**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Jeffrey C. Givand**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Jeffrey C. Givand** 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\_\_.

\_\_\_\_\_  
**Philip G. Green**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Philip G. Green** 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\_\_.

\_\_\_\_\_  
**Sharad Gupta**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Christin L. O'Neill**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Christin L. O'Neill** 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\_\_.

\_\_\_\_\_  
**Steven Carl Persak**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Steven Carl Persak** 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\_\_.

\_\_\_\_\_  
**Robert Stianchi**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

(Seal)

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

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
- (2) Benjamin R. Bartfeld, located at West Orange, New Jersey,
- (3) Peter Basile, located at Bloomsbury, New Jersey,
- (4) Jeffrey C. Givand, located at North Wales, Pennsylvania,
- (5) Philip G. Green, located at Weehawken, New Jersey,
- (6) Sharad Gupta, located at Madison, New Jersey,
- (7) Christin L. O'Neill, located at Philadelphia, Pennsylvania,
- (8) Steven Carl Persak, located at Lebanon, New Jersey,
- (9) Robert Stianchi, located at Hillsborough, New Jersey

(hereinafter ASSIGNOR(S)), together with:

Ari Tao Adler, located at Cambridge, Massachusetts,  
Florian Altmann, located at München, Germany,  
Pernilla Danielsson, located at Bromma, Sweden  
Thomas Junk, located at München, Germany,  
Florian Kössler, located at München, Germany,  
Scott R. Mackie, located at New Haven, Connecticut  
Martin Meier, located at München, Germany,

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**MEDICAL INJECTOR DEVICE**

and/or in the following application(s):

U.S. Patent Application No. 29/500.636, having a filing date of August 27, 2014 (Docket No. 23778-US-DP);  
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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\_\_\_\_.

\_\_\_\_\_  
Angela M. Amend Kwasnik

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

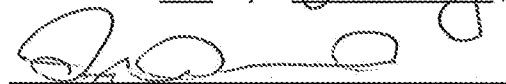
County of: \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Angela M. Amend Kwasnik** 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 12<sup>th</sup> day of January, 2015

  
Benjamin R. Bartfeld

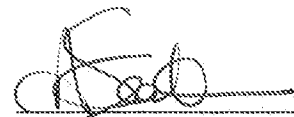
**ACKNOWLEDGEMENT**

State of: New Jersey

County of: \_\_\_\_\_

On this 12<sup>th</sup> day of January, 2015, personally appeared before me **Benjamin R. Bartfeld** 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

ALISA SEATON  
NOTARY PUBLIC OF NEW JERSEY  
ID # 2418442  
My Commission Expires 3/18/2017

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Peter Basile**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Jeffrey C. Givand**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Jeffrey C. Givand** 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\_\_.

\_\_\_\_\_  
**Philip G. Green**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Philip G. Green** 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\_\_.

\_\_\_\_\_  
**Sharad Gupta**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Christin L. O'Neill**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Christin L. O'Neill** 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\_\_.

\_\_\_\_\_  
**Steven Carl Persak**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Steven Carl Persak** 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\_\_.

\_\_\_\_\_  
**Robert Stianchi**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

(Seal)

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

## WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
- (2) Benjamin R. Bartfeld, located at West Orange, New Jersey,
- (3) Peter Basile, located at Bloomsbury, New Jersey,
- (4) Jeffrey C. Givand, located at North Wales, Pennsylvania,
- (5) Philip G. Green, located at Weehawken, New Jersey,
- (6) Sharad Gupta, located at Madison, New Jersey,
- (7) Christin L. O'Neill, located at Philadelphia, Pennsylvania,
- (8) Steven Carl Persak, located at Lebanon, New Jersey,
- (9) Robert Stianchi, located at Hillsborough, New Jersey

(hereinafter ASSIGNOR(S)), together with:

Ari Tao Adler, located at Cambridge, Massachusetts,  
Florian Altmann, located at München, Germany,  
Pernilla Danielsson, located at Bromma, Sweden  
Thomas Junk, located at München, Germany,  
Florian Kössler, located at München, Germany,  
Scott R. Mackie, located at New Haven, Connecticut  
Martin Meier, located at München, Germany,

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

## MEDICAL INJECTOR DEVICE

and/or in the following application(s):

U.S. Patent Application No. 29/500,636, having a filing date of August 27, 2014 (Docket No. 23778-US-DP);  
U.S. Patent Application No. 29/500,640, having a filing date of August 27, 2014 (Docket No. 23779-US-DP);  
U.S. Patent Application No. 29/500,644, having a filing date of August 27, 2014 (Docket No. 23780-US-DP);  
U.S. Patent Application No. 29/500,648, having a filing date of August 27, 2014 (Docket No. 23781-US-DP);  
U.S. Patent Application No. 29/500,651, having a filing date of August 27, 2014 (Docket No. 23782-US-DP).

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\_\_.

\_\_\_\_\_  
**Angela M. Amend Kwasnik**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Angela M. Amend Kwasnik** 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\_\_.

\_\_\_\_\_  
**Benjamin R. Bartfeld**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Benjamin R. Bartfeld** 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

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

Executed this 16 day of Dec, 2014

Peter Basile  
Peter Basile

**ACKNOWLEDGEMENT**

State of: New Jersey

County of: Union

On this 16<sup>th</sup> day of December, 2014, personally appeared before me **Peter Basile** 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)

Kathleen A Reynolds  
Notary Public

KATHLEEN A. REYNOLDS  
Notary Public of New Jersey  
My Commission Expires August 3, 2016

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

\_\_\_\_\_  
Jeffrey C. Givand

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Jeffrey C. Givand** 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\_\_.

\_\_\_\_\_  
**Philip G. Green**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Philip G. Green** 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\_\_.

\_\_\_\_\_  
**Sharad Gupta**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Christin L. O'Neill**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Christin L. O'Neill** 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\_\_.

\_\_\_\_\_  
**Steven Carl Persak**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Steven Carl Persak** 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\_\_.

\_\_\_\_\_  
**Robert Stianchi**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

(Seal)

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

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
- (2) Benjamin R. Bartfeld, located at West Orange, New Jersey,
- (3) Peter Basile, located at Bloomsbury, New Jersey,
- (4) Jeffrey C. Givand, located at North Wales, Pennsylvania,
- (5) Philip G. Green, located at Weehawken, New Jersey,
- (6) Sharad Gupta, located at Madison, New Jersey,
- (7) Christin L. O'Neill, located at Philadelphia, Pennsylvania,
- (8) Steven Carl Persak, located at Lebanon, New Jersey,
- (9) Robert Stianchi, located at Hillsborough, New Jersey

(hereinafter ASSIGNOR(S)), together with:

Ari Tao Adler, located at Cambridge, Massachusetts,  
 Florian Altmann, located at München, Germany,  
 Pernilla Danielsson, located at Bromma, Sweden  
 Thomas Junk, located at München, Germany,  
 Florian Kössler, located at München, Germany,  
 Scott R. Mackie, located at New Haven, Connecticut  
 Martin Meier, located at München, Germany,

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**MEDICAL INJECTOR DEVICE**

and/or in the following application(s):

U.S. Patent Application No. 29/500.636, having a filing date of August 27, 2014 (Docket No. 23778-US-DP);  
 U.S. Patent Application No. 29/500.640, having a filing date of August 27, 2014 (Docket No. 23779-US-DP);  
 U.S. Patent Application No. 29/500.644, having a filing date of August 27, 2014 (Docket No. 23780-US-DP);  
 U.S. Patent Application No. 29/500.648, having a filing date of August 27, 2014 (Docket No. 23781-US-DP);  
 U.S. Patent Application No. 29/500.651, having a filing date of August 27, 2014 (Docket No. 23782-US-DP).

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.

**PATENT****REEL: 035027 FRAME: 0583**

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

\_\_\_\_\_  
**Angela M. Amend Kwasnik**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Angela M. Amend Kwasnik** 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\_\_.

\_\_\_\_\_  
**Benjamin R. Bartfeld**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Benjamin R. Bartfeld** 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

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Peter Basile**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Peter Basile** 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 18 day of December, 2014.

Jeffrey C. Givand  
**Jeffrey C. Givand**

**ACKNOWLEDGEMENT**

Commonwealth of Pennsylvania  
State of: Pennsylvania

County of: Montgomery

On this 18<sup>th</sup> day of December, 2014, personally appeared before me **Jeffrey C. Givand** 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)  
COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Dorothy M. Miller, Notary Public  
Upper Gwynedd Twp., Montgomery County  
My Commission Expires May 14, 2017  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Dorothy M. Miller  
Notary Public



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

\_\_\_\_\_  
**Philip G. Green**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Philip G. Green** 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\_\_.

\_\_\_\_\_  
**Sharad Gupta**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Christin L. O'Neill**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Christin L. O'Neill** 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\_\_.

\_\_\_\_\_  
**Steven Carl Persak**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Steven Carl Persak** 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\_\_.

\_\_\_\_\_  
**Robert Stianchi**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

(Seal)

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

## WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
- (2) Benjamin R. Bartfeld, located at West Orange, New Jersey,
- (3) Peter Basile, located at Bloomsbury, New Jersey,
- (4) Jeffrey C. Givand, located at North Wales, Pennsylvania,
- (5) Philip G. Green, located at Weehawken, New Jersey,
- (6) Sharad Gupta, located at Madison, New Jersey,
- (7) Christin L. O'Neill, located at Philadelphia, Pennsylvania,
- (8) Steven Carl Persak, located at Lebanon, New Jersey,
- (9) Robert Stianchi, located at Hillsborough, New Jersey

(hereinafter ASSIGNOR(S)), together with:

Ari Tao Adler, located at Cambridge, Massachusetts,  
Florian Altmann, located at München, Germany,  
Pernilla Danielsson, located at Bromma, Sweden  
Thomas Junk, located at München, Germany,  
Florian Kössler, located at München, Germany,  
Scott R. Mackie, located at New Haven, Connecticut  
Martin Meier, located at München, Germany,

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

## MEDICAL INJECTOR DEVICE

and/or in the following application(s):

U.S. Patent Application No. 29/500,636, having a filing date of August 27, 2014 (Docket No. 23778-US-DP);  
U.S. Patent Application No. 29/500,640, having a filing date of August 27, 2014 (Docket No. 23779-US-DP);  
U.S. Patent Application No. 29/500,644, having a filing date of August 27, 2014 (Docket No. 23780-US-DP);  
U.S. Patent Application No. 29/500,648, having a filing date of August 27, 2014 (Docket No. 23781-US-DP);  
U.S. Patent Application No. 29/500,651, having a filing date of August 27, 2014 (Docket No. 23782-US-DP).

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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.

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Angela M. Amend Kwasnik**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Angela M. Amend Kwasnik** 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\_\_.

\_\_\_\_\_  
**Benjamin R. Bartfeld**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Benjamin R. Bartfeld** 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

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Peter Basile**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Jeffrey C. Givand**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared before me **Jeffrey C. Givand** 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

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

Executed this 17 day of December, 2014

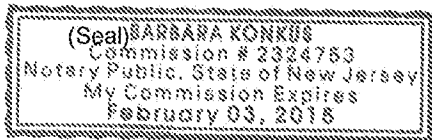
Philip G. Green  
Philip G. Green

**ACKNOWLEDGEMENT**

State of: NJ

County of: Hudson

On this 17 day of December, 2014, personally appeared before me **Philip G. Green** 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.



Barbara Konkus  
Notary Public

Executed this 17 day of December, 2014

Sharad Gupta  
Sharad Gupta

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Christin L. O'Neill**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Christin L. O'Neill** 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\_\_.

\_\_\_\_\_  
**Steven Carl Persak**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Steven Carl Persak** 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



Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Robert Stianchi**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

(Seal)

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

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
- (2) Benjamin R. Bartfeld, located at West Orange, New Jersey,
- (3) Peter Basile, located at Bloomsbury, New Jersey,
- (4) Jeffrey C. Givand, located at North Wales, Pennsylvania,
- (5) Philip G. Green, located at Weehawken, New Jersey,
- (6) Sharad Gupta, located at Madison, New Jersey,
- (7) Christin L. O'Neill, located at Philadelphia, Pennsylvania,
- (8) Steven Carl Persak, located at Lebanon, New Jersey,
- (9) Robert Stianchi, located at Hillsborough, New Jersey

(hereinafter ASSIGNOR(S)), together with:

Ari Tao Adler, located at Cambridge, Massachusetts,  
Florian Altmann, located at München, Germany,  
Pernilla Danielsson, located at Bromma, Sweden  
Thomas Junk, located at München, Germany,  
Florian Kössler, located at München, Germany,  
Scott R. Mackie, located at New Haven, Connecticut  
Martin Meier, located at München, Germany,

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**MEDICAL INJECTOR DEVICE**

and/or in the following application(s):

U.S. Patent Application No. 29/500.636, having a filing date of August 27, 2014 (Docket No. 23778-US-DP);  
U.S. Patent Application No. 29/500.640, having a filing date of August 27, 2014 (Docket No. 23779-US-DP);  
U.S. Patent Application No. 29/500.644, having a filing date of August 27, 2014 (Docket No. 23780-US-DP);  
U.S. Patent Application No. 29/500.648, having a filing date of August 27, 2014 (Docket No. 23781-US-DP);  
U.S. Patent Application No. 29/500.651, having a filing date of August 27, 2014 (Docket No. 23782-US-DP).

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\_\_.

\_\_\_\_\_  
**Angela M. Amend Kwasnik**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Angela M. Amend Kwasnik** 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\_\_.

\_\_\_\_\_  
**Benjamin R. Bartfeld**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Benjamin R. Bartfeld** 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

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Peter Basile**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Jeffrey C. Givand**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Jeffrey C. Givand** 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

*[Faint, illegible text, possibly a stamp or signature]*

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
Philip G. Green

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Philip G. Green** 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 17<sup>th</sup> day of December, 2014

x [Signature]  
Sharad Gupta

**ACKNOWLEDGEMENT**

State of: New Jersey

County of: Union

On this 17<sup>th</sup> day of December, 2014, personally appeared before me **Sharad Gupta** 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

**JILL M. FILIPPONE**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires March 11, 2016

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

\_\_\_\_\_  
**Christin L. O'Neill**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Christin L. O'Neill** 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\_\_.

\_\_\_\_\_  
**Steven Carl Persak**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Steven Carl Persak** 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\_\_.

\_\_\_\_\_  
**Robert Stianchi**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

(Seal)

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

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
- (2) Benjamin R. Bartfeld, located at West Orange, New Jersey,
- (3) Peter Basile, located at Bloomsbury, New Jersey,
- (4) Jeffrey C. Givand, located at North Wales, Pennsylvania,
- (5) Philip G. Green, located at Weehawken, New Jersey,
- (6) Sharad Gupta, located at Madison, New Jersey,
- (7) Christin L. O'Neill, located at Philadelphia, Pennsylvania,
- (8) Steven Carl Persak, located at Lebanon, New Jersey,
- (9) Robert Stianchi, located at Hillsborough, New Jersey

(hereinafter ASSIGNOR(S)), together with:

Ari Tao Adler, located at Cambridge, Massachusetts,  
Florian Altmann, located at München, Germany,  
Pernilla Danielsson, located at Bromma, Sweden  
Thomas Junk, located at München, Germany,  
Florian Kössler, located at München, Germany,  
Scott R. Mackie, located at New Haven, Connecticut  
Martin Meier, located at München, Germany,

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**MEDICAL INJECTOR DEVICE**

and/or in the following application(s):

U.S. Patent Application No. 29/500.636, having a filing date of August 27, 2014 (Docket No. 23778-US-DP);  
U.S. Patent Application No. 29/500.640, having a filing date of August 27, 2014 (Docket No. 23779-US-DP);  
U.S. Patent Application No. 29/500.644, having a filing date of August 27, 2014 (Docket No. 23780-US-DP);  
U.S. Patent Application No. 29/500.648, having a filing date of August 27, 2014 (Docket No. 23781-US-DP);  
U.S. Patent Application No. 29/500.651, having a filing date of August 27, 2014 (Docket No. 23782-US-DP).

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\_\_.

\_\_\_\_\_  
**Angela M. Amend Kwasnik**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Angela M. Amend Kwasnik** 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\_\_.

\_\_\_\_\_  
**Benjamin R. Bartfeld**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Benjamin R. Bartfeld** 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

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Peter Basile**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Jeffrey C. Givand**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Jeffrey C. Givand** 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\_\_.

\_\_\_\_\_  
**Philip G. Green**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Philip G. Green** 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\_\_.

\_\_\_\_\_  
**Sharad Gupta**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

(Seal)

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

Executed this 22 day of DECEMBER, 2014

Christin L. O'Neill  
Christin L. O'Neill

**ACKNOWLEDGEMENT**

State of: PENNA

County of: Montgomery

On this 22 day of December, 2014, personally appeared before me **Christin L. O'Neill** 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)

John D. Collins  
Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal  
John D. Collins, Notary Public  
Springfield Twp., Montgomery County  
My Commission Expires Oct. 16, 2016  
MEMBER: PENNSYLVANIA ASSOCIATION OF NOTARIES

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

Steven Carl Persak

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Steven Carl Persak** 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\_\_.

\_\_\_\_\_  
**Robert Stianchi**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

(Seal)

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

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
- (2) Benjamin R. Bartfeld, located at West Orange, New Jersey,
- (3) Peter Basile, located at Bloomsbury, New Jersey,
- (4) Jeffrey C. Givand, located at North Wales, Pennsylvania,
- (5) Philip G. Green, located at Weehawken, New Jersey,
- (6) Sharad Gupta, located at Madison, New Jersey,
- (7) Christin L. O'Neill, located at Philadelphia, Pennsylvania,
- (8) Steven Carl Persak, located at Lebanon, New Jersey,
- (9) Robert Stianchi, located at Hillsborough, New Jersey

(hereinafter ASSIGNOR(S)), together with:

Ari Tao Adler, located at Cambridge, Massachusetts,  
Florian Altmann, located at München, Germany,  
Pernilla Danielsson, located at Bromma, Sweden  
Thomas Junk, located at München, Germany,  
Florian Kössler, located at München, Germany,  
Scott R. Mackie, located at New Haven, Connecticut  
Martin Meier, located at München, Germany,

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**MEDICAL INJECTOR DEVICE**

and/or in the following application(s):

U.S. Patent Application No. 29/500,636, having a filing date of August 27, 2014 (Docket No. 23778-US-DP);  
U.S. Patent Application No. 29/500,640, having a filing date of August 27, 2014 (Docket No. 23779-US-DP);  
U.S. Patent Application No. 29/500,644, having a filing date of August 27, 2014 (Docket No. 23780-US-DP);  
U.S. Patent Application No. 29/500,648, having a filing date of August 27, 2014 (Docket No. 23781-US-DP);  
U.S. Patent Application No. 29/500,651, having a filing date of August 27, 2014 (Docket No. 23782-US-DP).

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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.

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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\_\_.

\_\_\_\_\_  
**Angela M. Amend Kwasnik**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Angela M. Amend Kwasnik** 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\_\_.

\_\_\_\_\_  
**Benjamin R. Bartfeld**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Benjamin R. Bartfeld** 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

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Peter Basile**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Jeffrey C. Givand**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Jeffrey C. Givand** 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\_\_.

\_\_\_\_\_  
**Philip G. Green**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Philip G. Green** 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\_\_.

\_\_\_\_\_  
**Sharad Gupta**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
Christin L. O'Neill

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Christin L. O'Neill** 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 13 day of January, 2015.

\_\_\_\_\_  
Steven Carl Persak

**ACKNOWLEDGEMENT**

State of: New Jersey

County of: Union

On this 13 day of January, 2015, personally appeared before me **Steven Carl Persak** 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

**MICHELLE ANN SISCO**  
Notary Public of New Jersey  
My Commission Expires on October 24, 2017

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

\_\_\_\_\_  
**Robert Stianchi**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

(Seal)

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

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
- (2) Benjamin R. Bartfeld, located at West Orange, New Jersey,
- (3) Peter Basile, located at Bloomsbury, New Jersey,
- (4) Jeffrey C. Givand, located at North Wales, Pennsylvania,
- (5) Philip G. Green, located at Weehawken, New Jersey,
- (6) Sharad Gupta, located at Madison, New Jersey,
- (7) Christin L. O'Neill, located at Philadelphia, Pennsylvania,
- (8) Steven Carl Persak, located at Lebanon, New Jersey,
- (9) Robert Stianchi, located at Hillsborough, New Jersey

(hereinafter ASSIGNOR(S)), together with:

Ari Tao Adler, located at Cambridge, Massachusetts,  
Florian Altmann, located at München, Germany,  
Pernilla Danielsson, located at Bromma, Sweden  
Thomas Junk, located at München, Germany,  
Florian Kössler, located at München, Germany,  
Scott R. Mackie, located at New Haven, Connecticut  
Martin Meier, located at München, Germany,

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**MEDICAL INJECTOR DEVICE**

and/or in the following application(s):

U.S. Patent Application No. 29/500,636, having a filing date of August 27, 2014 (Docket No. 23778-US-DP);  
U.S. Patent Application No. 29/500,640, having a filing date of August 27, 2014 (Docket No. 23779-US-DP);  
U.S. Patent Application No. 29/500,644, having a filing date of August 27, 2014 (Docket No. 23780-US-DP);  
U.S. Patent Application No. 29/500,648, having a filing date of August 27, 2014 (Docket No. 23781-US-DP);  
U.S. Patent Application No. 29/500,651, having a filing date of August 27, 2014 (Docket No. 23782-US-DP).

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.

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Angela M. Amend Kwasnik**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Angela M. Amend Kwasnik** 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\_\_.

\_\_\_\_\_  
**Benjamin R. Bartfeld**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Benjamin R. Bartfeld** 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

Attorney Docket No.:

23778-US-DP  
23779-US-DP  
23780-US-DP  
23781-US-DP  
23782-US-DP

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

\_\_\_\_\_  
**Peter Basile**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Jeffrey C. Givand**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Jeffrey C. Givand** 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\_\_.

\_\_\_\_\_  
**Philip G. Green**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Philip G. Green** 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\_\_.

\_\_\_\_\_  
**Sharad Gupta**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

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

\_\_\_\_\_  
**Christin L. O'Neill**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Christin L. O'Neill** 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\_\_.

\_\_\_\_\_  
**Steven Carl Persak**

**ACKNOWLEDGEMENT**

State of: \_\_\_\_\_

County of: \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, personally appeared before me **Steven Carl Persak** 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 17 day of January, 2015.

Robert Stianchi  
Robert Stianchi

**ACKNOWLEDGEMENT**

State of: New Jersey

County of: Somerset

On this 17<sup>th</sup> day of January, 2015, personally appeared before me **Robert Stianchi** 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)

Shawn Lubitz  
Notary Public

**SHAWN LUBITZ**  
**NOTARY PUBLIC OF NEW JERSEY**  
**MY COMMISSION EXPIRES DEC. 18, 2015**