#### 503194178 02/25/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3240795

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
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

## **RECEIVING PARTY DATA**

Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065-0900

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	29500640

## **CORRESPONDENCE DATA**

Fax Number: (732)594-4720

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: US efs@merck.com

Correspondent Name: MERCK SHARP & DOHME CORP. 126 EAST LINCOLN AVENUE Address Line 1:

Address Line 2: RY86-2011A

Address Line 4: RAHWAY, NEW JERSEY 07065-0900

ATTORNEY DOCKET NUMBER: 23779 NAME OF SUBMITTER: JOHN DAVID REILLY

SIGNATURE: /John David Reilly, Reg. #43039/
DATE SIGNED: 02/25/2015
Total Attachments: 54

**Total Attachments: 54** 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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23778-US-DP 23779-US-DP 23780-US-DP 23781-US-DP 23782-US-DP

#### WORLDWIDE ASSIGNMENT

WHEREAS, IWE,

- (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 fellowing	2015		
Zacoulou lins	4 to be to b		
Angela M. Amend Kwasnik			
ACKNOWLEDGEMENT			
State of: 10 J			
County of: Same 18-4			
On this day of	ie same person(s) ue	rsonally appeared before me Ange scribed in and who executed the fo own free will for the purpose set for	reguing manument, and
(Seal)		San Hulla Notary Public	
Executed this day of	, 20	The state of the s	8A88A8A KOKKUS RyPublic, State of New Je My Commission Expires Rebruory D3, 2020
Benjamin R. Bartfeld			
ACKNOWLEDGEMENT			
State of:			
County of:			
On this day of known, and known by me to be the sam acknowledged that he (she) executed the	ne person(s) describe	rsonally appeared before me <b>Benj</b> i d in and who executed the foregoin own free will for the purpose set for	g instrument, and
(Seal)			
		Notary Public	

Executed this day of	, 20
Peter Basile	
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of and known by me to be the same person(s) that he (she) executed the same, of his (her	, 20, personally appeared before me <b>Peter Basile</b> to me known, described in and who executed the foregoing instrument, and acknowledged own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Jeffrey C. Givand	
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same pe	, 20, personally appeared before me <b>Jeffrey C. Givand</b> to me erson(s) described in and who executed the foregoing instrument, and ame, 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:	
known, and known by me to be the same pers	, 20, personally appeared before me <b>Philip G. Green</b> to me on(s) described in and who executed the foregoing instrument, and le, 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 and known by me to be the same person(s) de that he (she) executed the same, of his (her) of	, 20, personally appeared before me <b>Sharad Gupta</b> to me known, escribed in and who executed the foregoing instrument, and acknowledged 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 known, and known by me to be the same pers acknowledged that he (she) executed the same	, 20, personally appeared before me <b>Christin L. O'Neill</b> to me on(s) described in and who executed the foregoing instrument, and le, 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:	
known, and known by me to be the same pers	, 20, personally appeared before me <b>Steven Carl Persak</b> to me on(s) described in and who executed the foregoing instrument, and i.e., of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

20, personally appeared before me <b>Robert Stianchi</b> to me described in and who executed the foregoing instrument, and his (her) own free will for the purpose set forth.
Notary Public

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

#### 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.

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:	
to me known, and known by me to be the sa	, 20, personally appeared before me <b>Angela M. Amend Kwasnik</b> ame person(s) described in and who executed the foregoing instrument, and ame, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this 2 <sup>th</sup> day of January Benjamin R. Bartfeld	
ACKNOWLEDGEMENT	
State of: NW Jersey	
County of:	
known, and known by me to be the same pe	, 20 , personally appeared before me <b>Benjamin R. Bartfeld</b> to me erson(s) described in and who executed the foregoing instrument, and ame, 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 3/16/2017

Executed this day of	, 20
Peter Basile	
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of and known by me to be the same persor that he (she) executed the same, of his (	, 20, personally appeared before me <b>Peter Basile</b> to me known, n(s) described in and who executed the foregoing instrument, and acknowledged (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:	
known, and known by me to be the sam	, 20, personally appeared before me <b>Jeffrey C. Givand</b> to me e person(s) described in and who executed the foregoing instrument, and se 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:	
known, and known by me to be the same p	, 20, personally appeared before me <b>Philip G. Green</b> to me person(s) described in and who executed the foregoing instrument, and 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 and known by me to be the same person(s that he (she) executed the same, of his (he	, 20, personally appeared before me <b>Sharad Gupta</b> to me known s) described in and who executed the foregoing instrument, and acknowledged er) own free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of	, 20
Christin L. O'Neill	<del></del>
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same per	, 20, personally appeared before me <b>Christin L. O'Neill</b> to me son(s) described in and who executed the foregoing instrument, and me, 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:	
known, and known by me to be the same per	, 20, personally appeared before me <b>Steven Carl Persak</b> to me rson(s) described in and who executed the foregoing instrument, and me, 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:	
known, and known by me to be the same perso	, 20, personally appeared before me <b>Robert Stianchi</b> to me in(s) described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

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

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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:	
to me known, and known by me to be the sam	, 20, personally appeared before me <b>Angela M. Amend Kwasnik</b> le person(s) described in and who executed the foregoing instrument, and le, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Benjamin R. Bartfeld	<del>-</del>
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same pers	, 20, personally appeared before me <b>Benjamin R. Bartfeld</b> to me son(s) described in and who executed the foregoing instrument, and ne, 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,	Left-	
ACKNOWLEDGEMENT		
State of: New Yerau		
On this // day of <u>Olember</u> , and known by me to be the same person(s) describing that he (shs) executed the same, of his (her) own f	20 / personally appeared before me Peter Bas bed in and who executed the foregoing instrument free will for the purpose set forth.	ile to me known, , and acknowledged
(Seal)	Large a. Provide	7
	Notary Public Reguld	<u>~~~</u>
	KATHLEEN A. REYNOLDS	
Executed this day of, 20_	Notary Public of New Jersey	
Jeffrey C. Givand		
ACKNOWLEDGEMENT		
State of:		
County of:		
On this day of, known, and known by me to be the same person(s acknowledged that he (she) executed the same, or	20, personally appeared before me <b>Jeffrey C</b> s) described in and who executed the foregoing ins f his (her) own free will for the purpose set forth.	. <b>Givand</b> to me trument, and
(Seal)		
	Notary Public	

Executed this day of	, 20
Philip G. Green	
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same p	, 20, personally appeared before me <b>Philip G. Green</b> to me erson(s) described in and who executed the foregoing instrument, and ame, 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 and known by me to be the same person(s that he (she) executed the same, of his (he	, 20, personally appeared before me <b>Sharad Gupta</b> to me known, described in and who executed the foregoing instrument, and acknowledged or) 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:	
known, and known by me to be the same person	, 20, personally appeared before me <b>Christin L. O'Neill</b> to me on(s) described in and who executed the foregoing instrument, and e, 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:	
known, and known by me to be the same person	, 20, personally appeared before me <b>Steven Carl Persak</b> to me on(s) described in and who executed the foregoing instrument, and e, 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:	
known, and known by me to be the same	, 20, personally appeared before me <b>Robert Stianchi</b> to me person(s) described in and who executed the foregoing instrument, and same, of his (her) own free will for the purpose set forth.
(Seal)	Notary Public

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

#### **WORLDWIDE ASSIGNMENT**

WHEREAS, IME,

- (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	
ACKNOWLEDGE	WENT	
State of:	<del>decrees a constant de</del>	
County of:	<del></del>	
to me known, and	known by me to be the	, 20, personally appeared before me <b>Angela M. Amend Kwasnik</b> same person(s) described in and who executed the foregoing instrument, and same, of his (her) own free will for the purpose set forth.
(Seal)		
		Notary Public
Executed this	_day of	, 20
Benjamin R. Bartf	eld	
ACKNOWLEDGE	MENT	
State of:	·	
County of:		
known, and known	by me to be the same	, 20, personally appeared before me <b>Benjamin R. Bartfeld</b> to me person(s) described in and who executed the foregoing instrument, and 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 and known by me to be the same person(s) that he (she) executed the same, of his (her	, 20, personally appeared before me <b>Peter Basi</b> described in and who executed the foregoing instrument, ) own free will for the purpose set forth.	le to me known, and acknowledged
(Seal)		
	Notary Public	<b></b> .
	,	
Executed this 18 day of December	_ , 20 <u>/4</u> -	
Jeffrey C. Givand		
ACKNOWLEDGEMENT		
Commonwealthof Pennsylvania		
County of: MODICONSEL		
known, and known by me to be the same pe	(x), 2014, personally appeared before me <b>Jeffrey C.</b> erson(s) described in and who executed the foregoing instrume, of his (her) own free will for the purpose set forth.	Givand to me ument, and
(Seat) 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	Notary Public	<b></b>

Executed this day of	, 20
Philip G. Green	_
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same pers	, 20, personally appeared before me <b>Philip G. Green</b> to me son(s) described in and who executed the foregoing instrument, and ne, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20 <u> </u>
Sharad Gupta	_
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of and known by me to be the same person(s) do that he (she) executed the same, of his (her) of	, 20, personally appeared before me <b>Sharad Gupta</b> to me known, escribed in and who executed the foregoing instrument, and acknowledged own free will for the purpose set forth.
(Seal)	N. L. D. L. D.
	Notary Public

Executed this day of	, 20
Christin L. O'Neill	_
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of known, and known by me to be the same pers acknowledged that he (she) executed the same	, 20, personally appeared before me <b>Christin L. O'Neill</b> to me son(s) described in and who executed the foregoing instrument, and ne, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20 <u> </u>
Steven Carl Persak	_
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same pers	, 20, personally appeared before me <b>Steven Carl Persak</b> to me son(s) described in and who executed the foregoing instrument, and ne, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of	, 20
Robert Stianchi	<del></del>
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same p	, 20, personally appeared before me <b>Robert Stianchi</b> to me person(s) described in and who executed the foregoing instrument, and same, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

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

#### **WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
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- (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):

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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.

PATENT

**REEL: 035027 FRAME: 0589** 

Executed this day of	, 20
Angela M. Amend Kwasnik	
ACKNOWLEDGEMENT	
State of:	
County of:	
to me known, and known by me to be the	, 20, personally appeared before me <b>Angela M. Amend Kwasnik</b> same person(s) described in and who executed the foregoing instrument, and 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:	
known, and known by me to be the same	, 20, personally appeared before me <b>Benjamin R. Bartfeld</b> to me person(s) described in and who executed the foregoing instrument, and same, of his (her) own free will for the purpose set forth.
(Seal)	
•	Notary Public

Executed thisday	y of , 2	0		
Peter Basile				
ACKNOWLEDGEMEN	ır			
State of:	·······			
County of:	<del></del>		et aj la serie de la compa	
On this and known by me to be that he (she) executed	day of the same person(s) desc the same, of his (her) owr	_, 20, personally app cribed in and who execute n free will for the purpose	eared before me <b>Peter</b> ed the foregoing instrur set forth.	Basile to me known, nent, and acknowledged
(Seal)			ស៊ីមូសសាស់ មាស់ពី ស៊ីមាសាស់ មាស់ពី	POS ASASSAS S e ecisemento e esciso meto estres sucipamento est c ES esciso de S
		Nota	ry Public	
Executed this da	y of, 2	20		
Jeffrey C. Givand				
ACKNOWLEDGEMEN	4T			
State of:	***********			
County of:				
known, and known by	day of me to be the same persor (she) executed the same,	n(s) described in and who	executed the foregoin	g instrument, and
(Seal)				
		Nota	ry Public	

12 D. 1.	11
Executed this Aday of December	, 20
July Lea	
Philip G. Green	
ACKNOWLEDGEMENT	
State of: 4 J	
County of Hudson	
On this 17 day of Diller	2014 personally appeared before the Phillip C. Green to me
known, and known by me to be the same pers	. 2014, personally appeared before me <b>Philip G. Green</b> to me on(s) described in and who executed the foregoing instrument, and
acknowledged that he (she) executed the sam	e, of his (her) own free will for the purpose set forth.
	in the first of the second of
(Seal)saksaka Kunkus Commission # 2324783	BM IUU
Notary Public, State of New Jersey My Commission Expires February 03, 2018	Notary Public
Executed this 17 day of December	, 20 <u> (</u> Y
Sharad Gupta	· · · · · · · · · · · · · · · · · · ·
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of and known by me to be the same person(s) de	, 20, personally appeared before me <b>Sharad Gupta</b> to me known, scribed in and who executed the foregoing instrument, and acknowledged
that he (she) executed the same, of his (her) o	wn free will for the purpose set forth.
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(Seal)	
	Notary Public

Executed this day of	_ , 20
Christin L. O'Neill	
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of known, and known by me to be the same per acknowledged that he (she) executed the sar	, 20, personally appeared before me <b>Christin L. O'Neill</b> to me son(s) described in and who executed the foregoing instrument, and me, of his (her) own free will for the purpose set forth.
(Seal)	
,	Notary Public
Executed this day of	_ , 20
Steven Carl Persak	<del>_</del>
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same per	, 20, personally appeared before me <b>Steven Carl Persak</b> to merson(s) described in and who executed the foregoing instrument, and me, 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:	
known, and known by me to be the same	, 20, personally appeared before me <b>Robert Stianchi</b> to me person(s) described in and who executed the foregoing instrument, and same, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

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

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#### WHEREAS, I/WE,

- (1) Angela M. Amend Kwasnik, located at Metuchen, New Jersey,
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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:	
to me known, and known by me to be the s	, 20, personally appeared before me <b>Angela M. Amend Kwasnik</b> came person(s) described in and who executed the foregoing instrument, and came, 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:	
known, and known by me to be the same p	, 20, personally appeared before me <b>Benjamin R. Bartfeld</b> to me erson(s) described in and who executed the foregoing instrument, and ame, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

Attorney Docket No.:

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

-CKNOWEEDGEN	ILIVI			
tate of:				
ounty of:				
On this nd known by me to nat he (she) execut	day of b be the same pers ted the same, of his	, 20, pon(s) described in ar s (her) own free will f	personally appeared befor d who executed the foregon the purpose set forth.	re me <b>Peter Basile</b> to me poing instrument, and ack
(Seal)				
			Notary Public	
executed this	day of	, 20		
effrey C. Givand	IFAIT			
CKNOWLEDGEM tate of:				
ounty of:				
On this	day of	20 r	ersonally appeared befor	re me Jeffrey C. Givand
nown, and known b	by me to be the sa	me person(s) describ	ed in and who executed to own free will for the purp	he foregoing instrument,
v	,			
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(Seal)				
			Notary Public	
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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:	energy of community and the
County of:	
known, and known by me to be the same pers acknowledged that he (she) executed the same	, 20, personally appeared before me <b>Philip G. Green</b> to me con(s) described in and who executed the foregoing instrument, and ne, of his (her) own free will for the purpose set forth.
	ang makatan kalaban mengani bermalah di kebanasan bermalah di kebanasan bermalah di kebanasan bermalah di keba Bermalah permalah di kebanasan bermalah di kebanasan bermalah di kebanasan bermalah di kebanasan bermalah di k
(Seal)	
(Geal)	Notary Public Service
	Notary Public
Executed this / Z day of <u>MCP/MC/C</u> Sharad Gupta	, <b>20</b> /4/ 
ACKNOWLEDGEMENT	
State of: <u>New Jer</u> sey	
County of: <u>(M)/O</u> /	
On thisday ofday ofand known by me to be the same person(s) de that he (she) executed the same, of his (her) of	
(Seal)	Jein Filpon

JULL M. FILIPPONE NOTARY PUBLIC OF NEW JERSEY My Commission Explos March 11, 2018

À.

Executed this day of, ,	20
Christin L. O'Neill	
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same person	_ , 20, personally appeared before me <b>Christin L. O'Neill</b> to me n(s) described in and who executed the foregoing instrument, and , 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:	
known, and known by me to be the same person	_ , 20, personally appeared before me <b>Steven Carl Persak</b> to men(s) described in and who executed the foregoing instrument, and , of his (her) own free will for the purpose set forth.
(0)	
(Seal)	Notary Public
	. Notary Public

Executed this day of , 20_	<b>_</b>
Robert Stianchi	
Nobelt Gualiciii	
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of , known, and known by me to be the same person(s) acknowledged that he (she) executed the same, of	20, personally appeared before me <b>Robert Stianchi</b> to me described in and who executed the foregoing instrument, and his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

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

#### 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,
- 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: 0601

Executed this day of	, 20
Angela M. Amend Kwasnik	<del></del>
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of to me known, and known by me to be the sa acknowledged that he (she) executed the sa	, 20, personally appeared before me <b>Angela M. Amend Kwasnik</b> ame person(s) described in and who executed the foregoing instrument, and ame, 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:	
known, and known by me to be the same pe	, 20, personally appeared before me <b>Benjamin R. Bartfeld</b> to me erson(s) described in and who executed the foregoing instrument, and ame, of his (her) own free will for the purpose set forth.
(O. 1)	
(Seal)	
	Notary Public

Executed this day of	, 20
D.t. Daile	<u> </u>
Peter Basile	
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of and known by me to be the same person(s) that he (she) executed the same, of his (her	, 20, personally appeared before me <b>Peter Basile</b> to me known, described in and who executed the foregoing instrument, and acknowledged r) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Jeffrey C. Givand	
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same p	, 20, personally appeared before me <b>Jeffrey C. Givand</b> to me erson(s) described in and who executed the foregoing instrument, and ame, 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:	
known, and known by me to be the same pers	, 20, personally appeared before me <b>Philip G. Green</b> to me on(s) described in and who executed the foregoing instrument, and e, 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 and known by me to be the same person(s) do that he (she) executed the same, of his (her) of	, 20, personally appeared before me <b>Sharad Gupta</b> to me known, escribed in and who executed the foregoing instrument, and acknowledged own free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this 22 day of DECEMBER, 2	0 <u>1</u> 4	
Christiny. O Neill		
Christin L. O'Neill		
ACKNOWLEDGEMENT		
State of: fena		
State of: <u>frum</u> County of: <u>luntgamen</u>		
On this <u>22</u> day of <u>Decem bev</u> known, and known by me to be the same person acknowledged that he (she) executed the same,	(s) described in and who execu	ted the foregoing instrument, and
(Seal)	Notary Pub	Iic COMMONWEALTH OF PENNSYLVANIA
Executed this day of , 2	0	Notarial Seal John D. Collins, Notary Public Springfield Twp., Montgomery County My Commission Expires Oct. 16, 2016 MEMBER. PENNSYLVANIA ASSOCIATION OF NOTARIES
Steven Carl Persak		
ACKNOWLEDGEMENT		
State of:		
County of:		
On this day of known, and known by me to be the same persor acknowledged that he (she) executed the same,	(s) described in and who execu	ted the foregoing instrument, and
(Seal)		
	Notary Pub	lic

Executed this day of , 20_	_·
Robert Stianchi	
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of, known, and known by me to be the same person(s acknowledged that he (she) executed the same, of	20, personally appeared before me <b>Robert Stianchi</b> to me described in and who executed the foregoing instrument, and his (her) own free will for the purpose set forth.
(Seal)	Notary Public

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

#### WORLDWIDE ASSIGNMENT

WHEREAS, IWE,

- (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: 0607

Executed this day of,	20
Angela M. Amend Kwasnik	-
ACKNOWLEDGEMENT	
State of:	
County of:	
to me known, and known by me to be the same	, 20, personally appeared before me <b>Angela M. Amend Kwasnik</b> e person(s) described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seal)	Nedam Dublic
	Notary Public
Executed this day of,	, 20
Benjamin R. Bartfeld	- -
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same person	, 20, personally appeared before me <b>Benjamin R. Bartfeld</b> to me on(s) described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of	, 20
Peter Basile	-
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of and known by me to be the same person(s) de that he (she) executed the same, of his (her) o	, 20, personally appeared before me <b>Peter Basile</b> to me known, escribed in and who executed the foregoing instrument, and acknowledged own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Jeffrey C. Givand	<u>.</u>
ACKNOWLEDGEMENT	
State of:	
County of:	
known, and known by me to be the same pers	, 20, personally appeared before me <b>Jeffrey C. Givand</b> to me son(s) described in and who executed the foregoing instrument, and se, 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:	
known, and known by me to be the same pers	, 20, personally appeared before me <b>Philip G. Green</b> to me on(s) described in and who executed the foregoing instrument, and e.e, 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 and known by me to be the same person(s) de that he (she) executed the same, of his (her) of	, 20, personally appeared before me <b>Sharad Gupta</b> to me known, escribed in and who executed the foregoing instrument, and acknowledged own free will for the purpose set forth.
(Seal)	
	Notary Public

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

Executed this day of	, 20
Christin L. O'Neill	•
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of known, and known by me to be the same pers acknowledged that he (she) executed the sam	, 20, personally appeared before me <b>Christin L. O'Neill</b> to me on(s) described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this B day of January  Steven Carl Persak	, 20 <u>/ \$</u>
ACKNOWLEDGEMENT	
State of: New Tersay  County of: Lower	
known, and known by me to be the same pers	, 20), personally appeared before me <b>Steven Carl Persak</b> to me on(s) described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seal)	Motary Public

MICHELLE ANN SISKO Notrry 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, known, and known by me to be the same person(s) acknowledged that he (she) executed the same, of	20, personally appeared before me <b>Robert Stianchi</b> to me described in and who executed the foregoing instrument, and his (her) own free will for the purpose set forth.
(Seal)	Notary Public

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

#### **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:
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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):
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U.S. Patent Application No. 29/500,644, having a filing date of August 27, 2014 (Docket No. 23781-US-DP);
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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.

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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 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: 0613

Executed this day of	, 20 <u> </u>
Angela M. Amend Kwasnik	<u>-</u>
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of to me known, and known by me to be the san acknowledged that he (she) executed the san	, 20, personally appeared before me <b>Angela M. Amend Kwasnik</b> ne person(s) described in and who executed the foregoing instrument, and ne, 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 known, and known by me to be the same per acknowledged that he (she) executed the same	, 20, personally appeared before me <b>Benjamin R. Bartfeld</b> to me son(s) described in and who executed the foregoing instrument, and me, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

	23/79-US-DP 23780-US-DP 23781-US-DP 23782-US-DP
Executed this day of , 20	<u>)</u> .
Peter Basile	
ACKNOWLEDGEMENT	
State of:	
County of:	
On this day of and known by me to be the same person(s) descr that he (she) executed the same, of his (her) own	, 20, personally appeared before me <b>Peter Basile</b> to me known, ribed in and who executed the foregoing instrument, and acknowledged free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of , 20	<u>o_</u> .
Jeffrey C. Givand	
ACKNOWLEDGEMENT	
State of:	
County of:	
known and known by me to be the same person	, 20, personally appeared before me <b>Jeffrey C. Givand</b> to me (s) described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)	Notary Public
	ηνιατή παριίο

Page 3 of 6

Executed this day of	, 20	
Philip G. Green		
ACKNOWLEDGEMENT		
State of:		
County of:		
On this day of known, and known by me to be the s acknowledged that he (she) execute	, 20, personally appeared before me <b>Philip G. Green</b> to me same person(s) described in and who executed the foregoing instrument, and d the same, of his (her) own free will for the purpose set forth.	
(Seal)		
•	Notary Public	
	Trotally   ubits	
Executed this day of	, 20	
Sharad Gupta		
ACKNOWLEDGEMENT		
State of:		
County of:		
and known by me to be the same pe	, 20, personally appeared before me <b>Sharad Gupta</b> to me kr rson(s) described in and who executed the foregoing instrument, and acknowle his (her) own free will for the purpose set forth.	iown, edged
(Seal)		
	Notary Public	

23778-US-DF 23779-US-DF 23780-US-DF 23781-US-DF 23782-US-DF

Executed this day of	, 20 .	. 20 .					
-							
Christin L. O'Neill							
ACKNOWLEDGEMENT							
		•	*		•		
State of:		•					
County of:							
On this day of known, and known by me to be the same per acknowledged that he (she) executed the same	son(s) describ	ed in and who e	xecuted the	e foregoing in	L. O'Neill to monstrument, and		
(Seal)							
	Notary Public						
		Ĭ		*			
Executed this day of	, 20						
Steven Carl Persak	<del></del>						
ACKNOWLEDGEMENT							
			*.				
State of:							
County of:				•			
			·				
On this day of known, and known by me to be the same pers acknowledged that he (she) executed the sam	son(s) describe	ed in and who e	xecuted the	foregoing in	Carl Persak to m nstrument, and		
(2001)							
(Seal)							
		Notary	Public		<del></del>		

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

Executed this <u>17</u> day of <u>Squary</u>, 20<u>15</u>.

Robert Stianchi

**ACKNOWLEDGEMENT** 

State of: New Jersey

County of: Somerset

On this 17th day of 50000, 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 OF NEW JERSEY
MY COMMISSION EXPIRES DEC. 18, 2015

Netary Public

Page 6 of 6

**RECORDED: 02/25/2015**