

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3142612

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
COLLEEN BARR	11/13/2012
ASHWIN BASARKAR	10/25/2012
AKHILESH BHAMBHANI	12/10/2012
ROBERT EVANS	12/13/2012
LYNNE ISOPI	03/05/2013
RAMESH KASHI	10/25/2012
DAVID KRAH	11/13/2012
JENNIFER KRISS	11/13/2012
SHONA MEHTA	10/25/2012
JESSICA SINACOLA	03/04/2013

RECEIVING PARTY DATA

Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
Internal Address:	86-2011A
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14355405

CORRESPONDENCE DATA**Fax Number:** (732)594-4720*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** 732-594-2849**Email:** us_efs@merck.com**Correspondent Name:** MERCK SHARP & DOHME CORP.**Address Line 1:** 126 EAST LINCOLN AVENUE**Address Line 2:** RY86-2011**Address Line 4:** RAHWAY, NEW JERSEY 07065

PATENT

ATTORNEY DOCKET NUMBER:	23168
NAME OF SUBMITTER:	MELODIE W. HENDERSON
SIGNATURE:	/Melodie W. Henderson, Reg. # 37848/
DATE SIGNED:	12/11/2014

Total Attachments: 9

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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Colleen Barr, located at Pennsburg, Pennsylvania,
- (2) Ashwin Basarkar, located at Springfield, New Jersey,
- (3) Akhilesh Bhambhani, located at Doylestown, Pennsylvania,
- (4) Robert Evans, located at Souderton, Pennsylvania,
- (5) Lynne Isopi, located at Sellersville, Pennsylvania,
- (6) Ramesh Kashi, located at Warren, New Jersey,
- (7) David Krah, located at Lansdale, Pennsylvania,
- (8) Jennifer Kriss, located at Blue Bell, Pennsylvania,
- (9) Shona Mehta, located at Florham Park, New Jersey,
- (10) Jessica Sinacola, located at Collegeville, Pennsylvania,

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

METHODS OF PREPARING LYOPHILIZED SPHERICAL-SHAPED
PELLETS OF BIOLOGICAL MATERIALS

and/or in the following application(s):

U.S. Provisional Application No. 61/553,629 filed on 10/31/2011;
U.S. Application No. _____ having a filing date of _____; and
PCT International Application No. _____ having a filing date of _____.

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 13 day of November, 2012

Colleen Barr

Colleen Barr

ACKNOWLEDGEMENT

13th ^{State} Day of November 2012) s.s.:
County of Montgomery)

On this 13 day of November, 2012, personally appeared before me Colleen Barr to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Pushpa Ganesan, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires June 1, 2014
Member, Pennsylvania Association of Notaries
Pushpa Ganesan
Notary Public

Executed this ___ day of _____, 2012

Ashwin Basarkar

ACKNOWLEDGEMENT

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

On this ___ day of _____, 2012, personally appeared before me Ashwin Basarkar to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 2012

Colleen Barr

ACKNOWLEDGEMENT

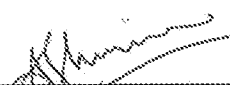
_____ of _____)
County of _____) s.s.:

On this _____ day of _____, 2012, personally appeared before me Colleen Barr to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this 25 day of October, 2012

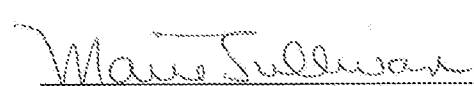

Ashwin Basarkar

ACKNOWLEDGEMENT

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

On this 25 day of October, 2012, personally appeared before me Ashwin Basarkar to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)


Notary Public

MARIE SULLIVAN
Notary Public of New Jersey
I.D.# 2350782
Commission Expires 10/4/2018

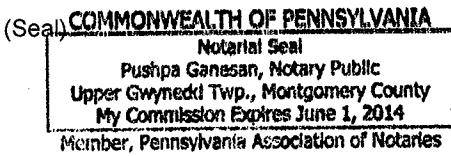
Executed this 10 day of December, 2012

[Signature]
Akhilesh Bhambhani

ACKNOWLEDGEMENT

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

On this 10 day of December, 2012, personally appeared before me Akhilesh Bhambhani to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.



[Signature]
Notary Public

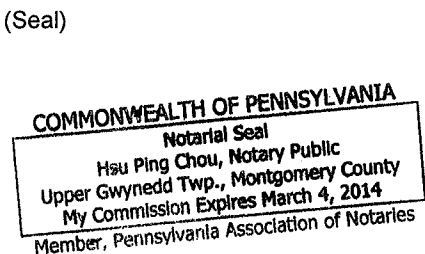
Executed this 13 day of December, 2012

[Signature]
Robert Evans

ACKNOWLEDGEMENT

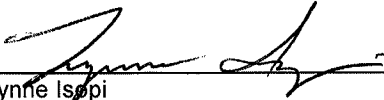
State Pennsylvania of Pennsylvania)
County of Montgomery) s.s.:

On this 13 day of December, 2012, personally appeared before me Robert Evans to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.



[Signature]
Notary Public

Executed this 05 day of MAR, ²⁰¹³~~2012~~ *Lynne Isopi*
05 MAR 2013



Lynne Isopi

ACKNOWLEDGEMENT

STATE of PENNSYLVANIA)
County of MONTGOMERY) s.s.:

On this 5 day of March, ²⁰¹³~~2012~~, personally appeared before me Lynne Isopi to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Hsu Ping Chou, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires March 4, 2014
Member, Pennsylvania Association of Notaries



Notary Public

Executed this ____ day of _____, 2012

Ramesh Kashi

ACKNOWLEDGEMENT

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

On this ____ day of _____, 2012, personally appeared before me Ramesh Kashi to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this _____ day of _____, 2012

Lynne Isopi

ACKNOWLEDGEMENT

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

On this _____ day of _____, 2012, personally appeared before me Lynne Isopi to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this 25 day of October, 2012

Ramesh S. Kashi

→ _____
Ramesh Kashi

ACKNOWLEDGEMENT

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

On this 25 day of October, 2012, personally appeared before me Ramesh Kashi to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Marie Sullivan

Notary Public

MARIE SULLIVAN
Notary Public of New Jersey
I.D.# 2350762
Commission Expires 10/4/2018

Executed this 13 day of November, 2012

David Krah

David Krah

ACKNOWLEDGEMENT

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

On this 13 day of November, 2012, personally appeared before me David Krah to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Pushpa Ganesan, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires June 1, 2014
Member, Pennsylvania Association of Notaries

Pushpa Ganesan
Notary Public

Executed this 13 day of November, 2012

Jennifer Kriss

Jennifer Kriss

ACKNOWLEDGEMENT

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

On this 13 day of November, 2012, personally appeared before me Jennifer Kriss to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Pushpa Ganesan, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires June 1, 2014
Member, Pennsylvania Association of Notaries

Pushpa Ganesan
Notary Public

Executed this 25 day of October, 2012

→ Shona Mehta
Shona Mehta

ACKNOWLEDGEMENT

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

On this 25 day of October, 2012, personally appeared before me Shona Mehta to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Marie Sullivan
Notary Public
MARIE SULLIVAN
Notary Public of New Jersey
I.D.# 2350762
Commission Expires 10/4/2016

Executed this ____ day of _____, 2012

Jessica Sinacola

ACKNOWLEDGEMENT

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

On this ____ day of _____, 2012, personally appeared before me Jessica Sinacola to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 2012

Shona Mehta

ACKNOWLEDGEMENT

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

On this ____ day of _____, 2012, personally appeared before me Shona Mehta to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this 4 day of March, 2013

Jessica R. Sinacola
Jessica Sinacola

ACKNOWLEDGEMENT

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

On this 4th day of March, 2013, personally appeared before me Jessica Sinacola to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Pushpa Ganesan
Notary Public

