

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3798103

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN VRETTOS	02/27/2016
THOMAS DAGGS	02/29/2016
PAUL SHIELDS	02/29/2016
RAYMUNDO CLAUDIO	02/29/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ENTERIS BIOPHARMA, INC.
<b>Street Address:</b>	83 FULTON STREET
<b>City:</b>	BOONTON
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07005
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14993294
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)897-0909
<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>Phone:</b>	6173106009
<b>Email:</b>	bosipmail@gtlaw.com
<b>Correspondent Name:</b>	DAVID J. DYKEMAN
<b>Address Line 1:</b>	GREENBERG TRAURIG, LLP
<b>Address Line 2:</b>	ONE INTERNATIONAL PLACE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	146551-010901/US
<b>NAME OF SUBMITTER:</b>	DAVID J. DYKEMAN
<b>SIGNATURE:</b>	/David J. Dykeman, Reg. No. 46,678/
<b>DATE SIGNED:</b>	03/24/2016
<b>Total Attachments: 16</b>	
source=010901Assignment#page1.tif	
source=010901Assignment#page2.tif	

source=010901Assignment#page3.tif  
source=010901Assignment#page4.tif  
source=010901Assignment#page5.tif  
source=010901Assignment#page6.tif  
source=010901Assignment#page7.tif  
source=010901Assignment#page8.tif  
source=010901Assignment#page9.tif  
source=010901Assignment#page10.tif  
source=010901Assignment#page11.tif  
source=010901Assignment#page12.tif  
source=010901Assignment#page13.tif  
source=010901Assignment#page14.tif  
source=010901Assignment#page15.tif  
source=010901Assignment#page16.tif

## ASSIGNMENT

WHEREAS, we, John Vrettos, Thomas Daggs, Paul Shields and Raymundo Claudio, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

### **Solid Oral Dosage Forms**

and identified by

Attorney Docket No. \_\_\_\_\_, and/or executed by me on even date herewith and about to be filed in the United States Patent Office;

Application No. 14/993,294 filed in the United States Patent Office on January 12, 2016; and

WHEREAS, Enteris Biopharma, Inc., a corporation having a principal place of business at 83 Fulton Street, Boonton, New Jersey 07005 (hereinafter "ASSIGNEE") desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire rights, future rights, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international

patent applications;

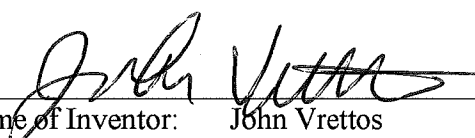
AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of my execution of this assignment;

AND, we hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

*IN TESTIMONY WHEREOF*, we have hereunto set our hands-and affixed our seal on the date set forth below.

Date: 27 Feb 2016

  
\_\_\_\_\_  
Name of Inventor: John Vrettos

County of Union )  
  ) ss.  
State of New Jersey )

Subscribed and sworn to before me by the above-named John Vrettos  
on February 27, 2016.  
  date

Notary Public   
My Commission Expires: July 16, 2019

CORINNE A. OSBORNE  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires July 16, 2019

(Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Name of Inventor: Thomas Daggs

County of \_\_\_\_\_ )  
  ) ss.  
State of \_\_\_\_\_ )

Subscribed and sworn to before me by the above-named \_\_\_\_\_  
on \_\_\_\_\_  
  date

Notary Public  
My Commission Expires:

(Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Name of Inventor: Paul Shields

County of \_\_\_\_\_ )  
  ) ss.  
State of \_\_\_\_\_ )

Subscribed and sworn to before me by the above-named \_\_\_\_\_  
on \_\_\_\_\_  
  date

Notary Public  
My Commission Expires:

(Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Name of Inventor: Raymundo Claudio

County of \_\_\_\_\_ )  
State of \_\_\_\_\_ ) ss.  
\_\_\_\_\_ )

Subscribed and sworn to before me by the above-named \_\_\_\_\_  
on \_\_\_\_\_  
date

Notary Public  
My Commission Expires:

(Seal)

**ASSIGNMENT**

WHEREAS, we, John Vrettos, Thomas Daggs, Paul Shields and Raymundo Claudio, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

**Solid Oral Dosage Forms**

and identified by

Attorney Docket No. \_\_\_\_\_, and/or executed by me on even date herewith and about to be filed in the United States Patent Office;

Application No. 14/993,294 filed in the United States Patent Office on January 12, 2016;  
and

WHEREAS, Enteris Biopharma, Inc., a corporation having a principal place of business at 83 Fulton Street, Boonton, New Jersey 07005 (hereinafter "ASSIGNEE") desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire rights, future rights, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international

patent applications;

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of my execution of this assignment;

AND, we hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

***IN TESTIMONY WHEREOF***, we have hereunto set our hands-and affixed our seal on the date set forth below.

Date: \_\_\_\_\_

\_\_\_\_\_  
Name of Inventor: John Vrettos

County of \_\_\_\_\_ )  
State of \_\_\_\_\_ ) ss.

Subscribed and sworn to before me by the above-named \_\_\_\_\_  
on \_\_\_\_\_  
date

Notary Public  
My Commission Expires:

(Seal)



Date: 02-29-14

Thomas Daggs  
Name of Inventor: Thomas Daggs

County of Morris )  
State of New Jersey ) ss.

Subscribed and sworn to before me by the above-named Thomas Daggs  
on 2/29/14 date

Notary Public [Signature]  
My Commission Expires:

(Seal)

MARIS WHITNEY  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires October 11, 2018

Date: \_\_\_\_\_

Name of Inventor: Paul Shields

County of \_\_\_\_\_ )  
State of \_\_\_\_\_ ) ss.

Subscribed and sworn to before me by the above-named \_\_\_\_\_  
on \_\_\_\_\_ date

Notary Public  
My Commission Expires:

(Seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Name of Inventor: Raymundo Claudio

County of )  
                  ) ss.  
State of )

Subscribed and sworn to before me by the above-named \_\_\_\_\_  
on \_\_\_\_\_  
                  date

Notary Public

My Commission Expires:

(Seal)

**ASSIGNMENT**

WHEREAS, we, John Vrettos, Thomas Daggs, Paul Shields and Raymundo Claudio, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

**Solid Oral Dosage Forms**

and identified by

Attorney Docket No. \_\_\_\_\_, and/or executed by me on even date herewith and about to be filed in the United States Patent Office;

Application No. 14/993,294 filed in the United States Patent Office on January 12, 2016;  
and

WHEREAS, Enteris Biopharma, Inc., a corporation having a principal place of business at 83 Fulton Street, Boonton, New Jersey 07005 (hereinafter "ASSIGNEE") desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire rights, future rights, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international

patent applications;

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of my execution of this assignment;

AND, we hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

*IN TESTIMONY WHEREOF*, we have hereunto set our hands-and affixed our seal on the date set forth below.

Date: \_\_\_\_\_  
Name of Inventor: John Vrettos

County of )  
  ) ss.  
State of )

Subscribed and sworn to before me by the above-named \_\_\_\_\_  
on \_\_\_\_\_  
date

Notary Public  
My Commission Expires:

(Seal)



Date: \_\_\_\_\_

Name of Inventor: \_\_\_\_\_ Raymundo Claudio

County of \_\_\_\_\_ )  
  ) ss.  
State of \_\_\_\_\_ )

Subscribed and sworn to before me by the above-named \_\_\_\_\_  
on \_\_\_\_\_  
                                  date

Notary Public  
My Commission Expires:

(Seal)

**ASSIGNMENT**

WHEREAS, we, John Vrettos, Thomas Daggs, Paul Shields and Raymundo Claudio, have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

**Solid Oral Dosage Forms**

and identified by

Attorney Docket No. \_\_\_\_\_, and/or executed by me on even date herewith and about to be filed in the United States Patent Office;

Application No. 14/993,294 filed in the United States Patent Office on January 12, 2016;  
and

WHEREAS, Enteris Biopharma, Inc., a corporation having a principal place of business at 83 Fulton Street, Boonton, New Jersey 07005 (hereinafter "ASSIGNEE") desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire rights, future rights, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international

patent applications;

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of my execution of this assignment;

AND, we hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

*IN TESTIMONY WHEREOF*, we have hereunto set our hands-and affixed our seal on the date set forth below.

Date: \_\_\_\_\_

\_\_\_\_\_  
Name of Inventor: John Vrettos

County of \_\_\_\_\_ )  
  ) ss.  
State of \_\_\_\_\_ )

Subscribed and sworn to before me by the above-named \_\_\_\_\_  
on \_\_\_\_\_  
  date

Notary Public

My Commission Expires:

(Seal)






Date: 2/29/16

  
Name of Inventor: Raymundo Claudio

County of Morris )  
State of New Jersey ) ss.

Subscribed and sworn to before me by the above-named Raymundo Claudio  
on Feb 29<sup>th</sup>, 2016  
date

Notary Public   
My Commission Expires: June 1, 2020

(Seal)

