

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4755174

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AMIR SHOJAEI	08/30/2006
STEPHANIE READ	09/14/2006
RICHARD A. COUCH	09/27/2006
PAUL HODGKINS	08/31/2006
RECEIVING PARTY DATA	
Name:	SHIRE LLC
Street Address:	9200 BROOKFIELD COURT
City:	FLORENCE
State/Country:	KENTUCKY
Postal Code:	41042
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	15856282
Patent Number:	9173857
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	IPservicesNYC@troutmansanders.com
Correspondent Name:	TROUTMAN SANDERS LLP
Address Line 1:	875 THIRD AVENUE
Address Line 4:	NEW YORK, NEW YORK 10022
ATTORNEY DOCKET NUMBER:	250504.000167
NAME OF SUBMITTER:	RALUCA ONER
SIGNATURE:	/Raluca Oner/
DATE SIGNED:	12/29/2017
Total Attachments: 15	
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ASSIGNMENT

I, Amir Shojaei, a citizen of Canada, residing at 241 Rivercrest Drive;
Phoenixville, Pennsylvania 19460, United States of America;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

SHIRE LLC

a corporation organized under the laws of the State of Kentucky, United States of America, located at 9200 Brookfield Court, Florence, Kentucky 41042 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to my Invention entitled:

CONTROLLED DOSE DRUG DELIVERY SYSTEM

invented by me and described in Patent Application No. 11/383,066, filed on May 12, 2006, in the United States of America; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the

title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Aug 30' 2006
Date:


Amir Shojaei

Witness:

30 August 06
Date:

Gerri Laurenci
Name:

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of SHIRE LLC. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

☒ I am an officer of the above-identified ASSIGNEE,

☐ I have signed this document on behalf of ASSIGNEE with the full authority of its board of directors,

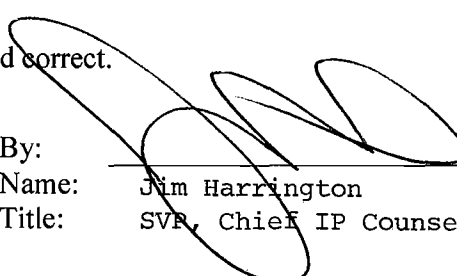
and that all the foregoing is true and correct.

Dated: October 19, 2006

By:

Name:

Title:


Jim Harrington

SVP, Chief IP Counsel

ASSIGNMENT

I, Stephanie Read, a citizen of the United States of America, residing at 237 Gay Street, PA 19128, United States of America;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

SHIRE LLC

a corporation organized under the laws of the State of Kentucky, United States of America, located at 9200 Brookfield Court, Florence, Kentucky 41042 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to my Invention entitled:

CONTROLLED DOSE DRUG DELIVERY SYSTEM

invented by me and described in Patent Application No. 11/383,066, filed on May 12, 2006, in the United States of America; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the

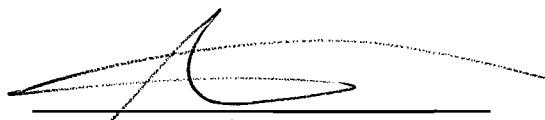
title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

14 Sept 2006
Date:


Stephanie Read

Witness:

Date:

Name:

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of SHIRE LLC. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

- ☒ I am an officer of the above-identified ASSIGNEE,
- ☐ I have signed this document on behalf of ASSIGNEE with the full authority of its board of directors,

and that all the foregoing is true and correct.

Dated: October 19, 2006 By: 
Name: Jim Harrington
Title: SVP, Chief IP Counsel

Attorney Dock No.: 20342/1202653-US8

ASSIGNMENT

I, Rick Couch, a citizen of the United States of America, residing at 777 Woodleave Road, Bryn Mawr, PA 19010, United States of America;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

SHIRE LLC

a corporation organized under the laws of the State of Kentucky, United States of America, located at 9200 Brookfield Court, Florence, Kentucky 41042 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to my Invention entitled:

CONTROLLED DOSE DRUG DELIVERY SYSTEM

invented by me and described in Patent Application No. 11/383,066, filed on May 12, 2006, in the United States of America; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the

Attorney Docket No.: 20342/1202653-US8

title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

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I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Attorney Dock No.: 20342/1202653-US8

27 Sep. 06
Date:

Richard A. Couch
Rick Couch
RICHARD A. Couch

Witness:

27 sept 06
Date:

Kate McCoy
Name:
Kate McCoy

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of SHIRE LLC. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

☒ I am an officer of the above-identified ASSIGNEE,

☐ I have signed this document on behalf of ASSIGNEE with the full authority of its board of directors,

and that all the foregoing is true and correct.

Dated: October 19, 2006 By: _____

Name: Jim Harrington
Title: SVP, Chief IP Counsel

ASSIGNMENT

I, Paul Hodgkins, a citizen of Great Britain, residing at 15 Landon Way, Exton, Pa 19341, United States of America;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

SHIRE LLC

a corporation organized under the laws of the State of Kentucky, United States of America, located at 9200 Brookfield Court, Florence, Kentucky 41042 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to my Invention entitled:

CONTROLLED DOSE DRUG DELIVERY SYSTEM

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And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the

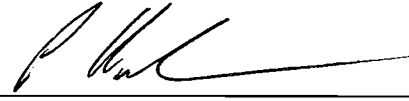
title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.


I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

31 Aug '06
Date: _____


Paul Hodgkins

Witness:

8/31/06
Date: _____


Name: _____

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of SHIRE LLC. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

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- ☐ I have signed this document on behalf of ASSIGNEE with the full authority of its board of directors,

and that all the foregoing is true and correct.

Dated: October 19, 2006

By:

Name: Jim Harrington

Title: SVP, Chief IP Counsel

