

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4008924

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ELAINE O'HARA	03/25/2015
MARCELO DE FREITAS SANTORO	03/25/2015
RECEIVING PARTY DATA	
Name:	OTSUKA AMERICA PHARMACEUTICAL, INC.
Street Address:	2440 RESEARCH BLVD.
City:	ROCKVILLE
State/Country:	MARYLAND
Postal Code:	20850
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	15219866
PCT Number:	US1513491
CORRESPONDENCE DATA	
Fax Number:	(202)842-7899
<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>	
Phone:	703-456-8000
Email:	vtevalt@cooley.com
Correspondent Name:	COOLEY LLP
Address Line 1:	1299 PENNSYLVANIA AVENUE
Address Line 2:	SUITE 700, ATTN: PATENT GROUP
Address Line 4:	WASHINGTON, D.C. 20004-2400
ATTORNEY DOCKET NUMBER:	OTSU-005/01US 310697-2117
NAME OF SUBMITTER:	DAVID W. HOPKINS
SIGNATURE:	/David W. Hopkins/
DATE SIGNED:	08/16/2016
Total Attachments: 7	
source=Friend Assignment#page1.tif	
source=Friend Assignment#page2.tif	
source=Friend Assignment#page3.tif	

source=Friend Assignment#page4.tif

source=Friend Assignment#page5.tif

source=Friend Assignment#page6.tif

source=Friend Assignment#page7.tif

ASSIGNMENT

Keith FRIEND residing at 4 Forest View Drive, Gladstone, NJ 07934; **Elaine O'HARA** residing at 333 North Warren Avenue, Malvern, PA 19355; and **Marcelo De Freitas SANTORO** residing at 18 Prospect Hill Boulevard, Chester Springs, PA 19425 (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in applications for patent, including a:

- (1) ☒ Patent Cooperation Treaty (PCT) patent application
 - (a) ☒ bearing Application No. PCT/US15/13491, and filed on January 29, 2015; and
- (2) ☒ Japanese patent application
 - (a) ☐ to be filed herewith; or
 - (b) ☒ bearing Application No. 2015-019226, and filed on February 3, 2015;

both entitled DEVICE-BASED RISK MANAGEMENT OF A THERAPEUTIC.

WHEREAS, OTSUKA AMERICA PHARMACEUTICAL, INC., a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 2440 Research Blvd, Rockville, MD 20850 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the applications for patent identified in paragraphs (1) and (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to and/or the benefit of at least one of these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application(s) for patent identified in paragraphs (1) and (2);
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague

Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified in paragraphs (1) or (2) or any application(s) for patent claiming the Invention(s), including any substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and
- (g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference and derivation proceedings, and any post grant proceedings (e.g., opposition proceedings, post grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified in paragraphs (1) and (2) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: _____

By: _____

Keith FRIEND

State of _____)

) ss.

County of _____)


On _____, before me, _____,
Notary Public, personally appeared _____,
who proved to me on the basis of satisfactory evidence, to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above


My Commission Expires: _____


Date: 3/25/2015 By: 
Elaine O'HARA

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

On 3/25/15, before me, Kashaf Khan,
Notary Public, personally appeared Elaine O'Hara,
who proved to me on the basis of satisfactory evidence, to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public

My Commission Expires: 

Place Notary Seal Above

Date: 03-15-15

By: M. SANTORO
Marcelo De Freitas SANTORO

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

On 3/25/15, before me, Kashaf Khan,
 Notary Public, personally appeared Marcelo De Freitas Santoro,
 who proved to me on the basis of satisfactory evidence, to be the person(s) whose
 name(s) is/are subscribed to the within instrument and acknowledged to me that
 he/she/they executed the same in his/her/their authorized capacity(ies), and that by
 his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
 which the person(s) acted, executed the instrument.

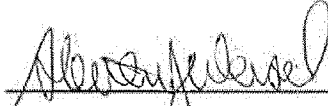
WITNESS my hand and official seal.

[Signature]
 Signature of Notary Public

Place Notary Seal Above

My Commission Expires: July 11, 2017

KASHAF S KHAN
 Commission # 2422679
 Notary Public, State of New Jersey
 My Commission Expires
 July 11, 2017

Date: August 6, 2015 By: 
Name: Steven J. Weisel
Title: VP and General Counsel
Company: Otsuka America Pharmaceutical, Inc.

On August 6, 2015, before me, Shanna Hodge, personally appeared Steven J. Weisel, who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand.


Signature of Witness