

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4476877

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GREGORY L. VERDINE	01/27/2012
MEENA .	01/27/2012
NAOKI IWAMOTO	01/24/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ONTORII, INC.
<b>Street Address:</b>	419 WESTERN AVENUE
<b>City:</b>	BOSTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02135
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US2010041068
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)502-5002
<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>	6172485000
<b>Email:</b>	patentdocket@choate.com
<b>Correspondent Name:</b>	CHOATE, HALL & STEWART LLP
<b>Address Line 1:</b>	TWO INTERNATIONAL PLACE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	2010581-0005
<b>NAME OF SUBMITTER:</b>	XIODONG LI
<b>SIGNATURE:</b>	/Xiaodong Li/
<b>DATE SIGNED:</b>	06/26/2017
<b>Total Attachments: 2</b>	
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source=Assignment_Inventors_to_Ontorii#page2.tif	

ASSIGNMENT OF APPLICATION

Docket Number 39135-701.831

Whereas, the undersigned:

1. VERDINE, Gregory L.  
52 Hyde Avenue  
Newton, MA 02458

2. MEENA, Meena  
39 Trowridge Street  
Belmont, MA 02478

3. IWAMOTO, Naoki  
10 Lothian Road, #9  
Brighton, MA 02135

Meena 04/26/2016

hereinafter termed "Inventors", have invented certain new and useful improvements in

NOVEL NUCLEIC ACID PRODRUGS AND METHODS OF USE THEREOF

- for which a United States patent application is executed on even date herewith;
- for which Application No. 13/381,323 was filed on December 28, 2011, in the United States Patent and Trademark Office, said application being a U.S. National Phase application of PCT/US2010/041068, which was filed on July 6, 2010 in the U.S. Receiving Office of the Patent Cooperation Treaty;
- for which Application No. \_\_\_\_\_ was filed on \_\_\_\_\_ in the \_\_\_\_\_ Patent Office; and/or
- for which an application was filed upon which a United States Patent issued on \_\_\_\_\_ as U.S. Patent No. \_\_\_\_\_ (hereinafter "Application(s)").

WHEREAS, Ontaril, Inc., a corporation of the State of Delaware, having a place of business at 419 Western Avenue, Boston, MA 02135, United States of America, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

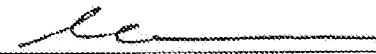
NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.
4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said inventors have executed and delivered this instrument to said Assignee as of the dates written below:

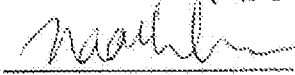
Date: 01/27/2012

  
GREGORY L. VERDINE

Date: 01/27/2012

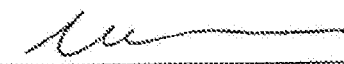
Meena  
MEENA MEENA Meena 04/26/2016

Date: 01/24/2012

  
NAOKI IWAMOTO

RECEIVED AND AGREED TO BY ASSIGNEE: Ontorii, Inc.

Date: 01/27/2012

By:   
Name: Gregory L. Verdine  
Title: President

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