

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dino Alberico</td> <td>10/03/2012</td> </tr> <tr> <td>Joshua Clayton</td> <td>10/03/2012</td> </tr> <tr> <td>Craig Dixon</td> <td>10/03/2012</td> </tr> <tr> <td>Boris Gorin</td> <td>10/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dino Alberico	10/03/2012	Joshua Clayton	10/03/2012	Craig Dixon	10/03/2012	Boris Gorin	10/04/2012
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Dino Alberico	10/03/2012										
Joshua Clayton	10/03/2012										
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Alphora Research Inc.</td> </tr> <tr> <td>Street Address:</td> <td>2395 Speakman Drive, Suite 2001</td> </tr> <tr> <td>City:</td> <td>Mississauga</td> </tr> <tr> <td>State/Country:</td> <td>CANADA</td> </tr> <tr> <td>Postal Code:</td> <td>L5K 1B3</td> </tr> </table>		Name:	Alphora Research Inc.	Street Address:	2395 Speakman Drive, Suite 2001	City:	Mississauga	State/Country:	CANADA	Postal Code:	L5K 1B3
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13700259</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13700259						
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Application Number:	13700259										
CORRESPONDENCE DATA											
<p>Fax Number: 9194190383 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (919) 493-8000 Email: cmartin@jwth.com Correspondent Name: Arles A. Taylor, Jr. Address Line 1: 3100 Tower Boulevard Address Line 2: University Tower, Suite 1200 Address Line 4: Durham, NORTH CAROLINA 27707</p>											
ATTORNEY DOCKET NUMBER:	3028/4 PCT/US										
NAME OF SUBMITTER:	Carly Martin										
Total Attachments: 7											

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RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

DINO ALBERICO
JOSHUA CLAYTON
CRAIG DIXON
BORIS GORIN

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): 10/03/2012; 10/04/2012

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Alphora Research Inc.

Internal Address: _____

Street Address: 2395 Speakman Drive, Suite
2001

City: Mississauga

State: Ontario

Country: CANADA Zip: L5K 1B3

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s) 13/700,259

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Arles A. Taylor, Jr.

Jenkins, Wilson, Taylor & Hunt, P.A.

Internal Address: _____

Street Address: Suite 1200, University Tower
3100 Tower Boulevard

City: Durham

State: NC Zip: 27707

Phone Number: 919-493-8000

Fax Number: 919-419-0383

Email Address: ataylor@jwth.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-0426

Authorized User Name Jenkins, Wilson, Taylor & Hunt, P.A.

Attorney Docket No.: 3028/4 PCT/US

9. Signature: Arles A. Taylor, Jr.

Signature

11/30/12
Date

Arles A. Taylor, Jr.
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

7

WORLDWIDE

ASSIGNMENT

WHEREAS, **Dino ALBERICO; Joshua CLAYTON; Craig DIXON** and **Boris GORIN**, whose complete addresses are:

175 Pathfinder Drive, Mississauga, Ontario	L5A 1C7
9 Portofino Place, Stony Creek, Ontario	L8E 5E8
30 Corvinelli Drive, Brooklyn, Ontario	L1M 0G7
2313 Grand Ravine Drive, Oakville, Ontario	L6H 6A8

have invented certain new and useful improvements in a

**PROCESS FOR THE SYNTHESIS OF CARBONUCLEOSIDE
AND INTERMEDIATES FOR USE THEREIN**

as described in International Application No. PCT/CA2011/050323 filed May 30, 2011;

AND WHEREAS, **ALPHORA RESEARCH INC.**, having its principal place of business at **2395 Speakman Drive, Suite 2001, Mississauga, Ontario L5K 1B3, Canada**, has acquired from the above inventors their right, title and interest in and to the said invention for the United States of America, Canada and all other countries, and in the said application and any Letters Patent that may be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar to them in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the said **Dino ALBERICO; Joshua CLAYTON; Craig DIXON** and **Boris GORIN**, do hereby confirm that they have sold, assigned and transferred, and by these presents do sell, assign and transfer to the said **ALPHORA RESEARCH INC.**, its successors and

assigns, their right, title and interest in and to the said invention for the United States of America, Canada and for all other countries in and to said application for Letters Patent of the United States of America, and in and to any divisions, continuations, continuations-in-part, and extensions of said application, and in and to any applications for Letters Patent in any other countries with respect to said invention, and in and to any Letters patent that may be obtained therefor in the United States of America, Canada and in any other country;

AND the said **Dino ALBERICO; Joshua CLAYTON; Craig DIXON and Boris GORIN**, hereby covenant and agree to do all such things and to execute without further consideration such further lawful documents, assurances, applications, and other instruments as may reasonably be required to obtain Letters Patent for the said invention and vest the same in **ALPHORA RESEARCH INC.**, its successors and assigns.

Dino ALBERICO; Joshua CLAYTON; Craig DIXON and Boris GORIN, hereby authorize and request the Commissioner of Patents & Trademarks to issue said United States Patent to **ALPHORA RESEARCH INC.**, for its sole use and behalf, and for the use and behalf of its legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by them had this assignment not been made.

Executed on this 3 day of October,
2012 at 2395 Speakman Drive, Suite 2001, Mississauga, Ontario

Dino ALBERICO

Dino Alberico

Declaration of Witness

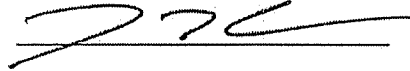
I, Hema Mehta, hereby declare that I was
personally present and did see the above named person sign and execute the
foregoing.

H Mehta

Signature of Witness

Executed on this 3 day of October,
2012 at 2395 Speckman Drive, Suite 200, Mississauga, Ontario

Joshua CLAYTON



Declaration of Witness

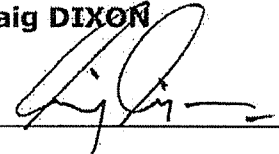
I, Hema Mehra, hereby declare that I was
personally present and did see the above named person sign and execute the
foregoing.



Signature of Witness


Executed on this 3 day of October,
2012 at 2395 Speakman Drive, Suite 200, Mississauga, Ontario

Craig DIXON



Declaration of Witness

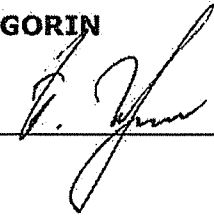
I, Hema Mehta, hereby declare that I was
personally present and did see the above named person sign and execute the
foregoing.



Signature of Witness

Executed on this 4 day of October,
2012 at 2395 Speckman Drive, Suite 200, Mississauga, Ontario

Boris GORIN



Declaration of Witness

I, Hema Mehta, hereby declare that I was
personally present and did see the above named person sign and execute the
foregoing.



Signature of Witness