

## PATENT ASSIGNMENT

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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>James Anderson</td> <td>02/23/2011</td> </tr> <tr> <td>Raaidah Saari-Nordhaus</td> <td>02/23/2011</td> </tr> <tr> <td>Washington Mendoza</td> <td>02/23/2011</td> </tr> <tr> <td>Josef Bystron</td> <td>04/12/2011</td> </tr> <tr> <td>Dirk Helgemo</td> <td>03/03/2011</td> </tr> <tr> <td>Dennis McCreary</td> <td>04/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	James Anderson	02/23/2011	Raaidah Saari-Nordhaus	02/23/2011	Washington Mendoza	02/23/2011	Josef Bystron	04/12/2011	Dirk Helgemo	03/03/2011	Dennis McCreary	04/15/2011
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<table border="1"> <tr> <td>Name:</td> <td>Alltech Associates, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>7500 Grace Drive</td> </tr> <tr> <td>City:</td> <td>Columbia</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>20144</td> </tr> </table>		Name:	Alltech Associates, Inc.	Street Address:	7500 Grace Drive	City:	Columbia	State/Country:	MARYLAND	Postal Code:	20144				
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CORRESPONDENCE DATA															
<p>Fax Number:  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: columbia.patents@grace.com</p> <p>Correspondent Name: William D. Bunch</p> <p>Address Line 1: 7500 Grace Drive</p> <p>Address Line 4: Columbia, MARYLAND 21044</p>															
ATTORNEY DOCKET NUMBER:	W9786-04														
NAME OF SUBMITTER:	Christopher J. Sears														

Signature:	/Christopher J. Sears/
Date:	04/25/2013
<b>Total Attachments: 9</b> source=W9786-04 Assignments#page1.tif source=W9786-04 Assignments#page2.tif source=W9786-04 Assignments#page3.tif source=W9786-04 Assignments#page4.tif source=W9786-04 Assignments#page5.tif source=W9786-04 Assignments#page6.tif source=W9786-04 Assignments#page7.tif source=W9786-04 Assignments#page8.tif source=W9786-04 Assignments#page9.tif	

**NON- PROVISIONAL APPLICATION ASSIGNMENT  
TO  
ALLTECH ASSOCIATES, INC.**

Inventor or Inventors:		
James Anderson	Raaidah Saari-Nordhaus	Washington Mendoza
Josef Bystron	Dirk Helgemo	Dennis McCreary

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

(1) UNDERSIGNED hereby assign(s) to Alltech Associates, Inc., a corporation organized and existing under the laws of the State of Illinois, its successors and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries in and to UNDERSIGNED's:

- (a) inventions described in the patent application entitled, **Methods and Apparatus for Analyzing Samples and Collecting Sample Fractions**; said application being further identified as U.S. Application Serial No. **12/960114**, filed in the United States Patent and Trademark Office on **December 3, 2010** and having Docket No. **W9786-04**;
- (b) inventions claimed in any non-provisional:
  - (i) application, such as design, or regular utility patent application, continuing application ( e.g., in whole or in-part), divisional application, reissue or re-examined patent application, or any patent application for substitution, importation, improvement, or addition, utility model, or inventors certificates; and/or
  - (ii) patent issuing from any of the above applications of 1(b)(i), and/or any other type of patent issued in countries anywhere in the world;

wherein said application and/or patent of 1(b)(i) or (ii)

- (A) directly claims priority to the Application of (a); or
- (B) indirectly claims priority to the Application of 1(a) (e.g., any application or patent claiming priority to one or more applications or patents, that directly or indirectly claim priority to the Application of 1(a));
- (c) inventions constituting improvements or modifications to any inventions described in the Application of (a) and/or the non-provisional patent application(s) or patents of 1(b); the inventions of 1(a) (b) and (c) being collectively and individually referred to hereinafter as INVENTION(S);
- (d) applications (and patents based thereon) filed under the Patent Cooperation Treaty (PCT), and/or treaties, conventions or compacts of

other regions (including e.g., European Patent, Eurasian Patent, ARIPO Patent and OAPI Patent) covering said INVENTION(S); and

- (e) rights of priority created by said application(s) or patents under provisions of international conventions or treaties.

(2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for, and documents relating to, obtaining patents and the prosecution thereof for said INVENTION(S) and any continuations, re-examinations or re-issues of such applications or substitutes therefore or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office, and any foreign patent office that ASSIGNEE may deem necessary or expedient.

(3) UNDERSIGNED agree(s) that in the event of any application based on said assigned INVENTION(S) or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

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(5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument, the filing date(s) on which UNDERSIGNED executed a Declaration for any of the above-referenced patent applications, if any, as well as the filing date and application number thereof when known.

ASSIGNMENT

Attorney Docket No. W9786-04

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME.

Date 2/23/11 Inventor *James M Anderson Jr.* (LS) Witness *Washington Mendoza*  
James M Anderson Jr.

Date 2/23/11 Inventor *Raaidah Saari-Nordhaus* (LS) Witness *Jiri Aulh*  
Raaidah Saari-Nordhaus

Date 2/23/11 Inventor *Washington Mendoza* (LS) Witness *Jiri Aulh*  
Washington Mendoza

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_  
Josef Bystron

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_  
Dirk Helgemo

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_  
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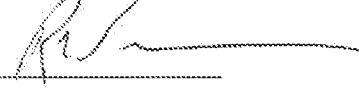
Attorney Docket No. W9786-04

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Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_  
James M Anderson Jr.

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Washington Mendoza

Date 4-12-2011 Inventor  (LS) Witness   
Josef Bystron

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Dirk Helgemo

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Raaidah Saari-Nordhaus

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Washington Mendoza

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_  
Josef Bystron

Date 3/3/11 Inventor Dirk Helgemo (LS) Witness Ucky Helgemo  
Dirk Helgemo

Date 4-18-11 Inventor Dennis McCreary (LS) Witness Christina S. S. S.  
Dennis McCreary

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_

Date \_\_\_\_\_ Inventor \_\_\_\_\_ (LS) Witness \_\_\_\_\_