

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Wolf B. Frommer	02/18/2011
Sylvie Lalonde	02/22/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Carnegie Institution of Washington
<b>Street Address:</b>	1530 P. St., N.W.
<b>City:</b>	Washington
<b>State/Country:</b>	DISTRICT OF COLUMBIA
<b>Postal Code:</b>	20005
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12773500
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)739-3001
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	2027393000
<b>Email:</b>	adowney@morganlewis.com
<b>Correspondent Name:</b>	Zachary Derbyshire
<b>Address Line 1:</b>	1111 Pennsylvania Avenue NW
<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20004
<b>ATTORNEY DOCKET NUMBER:</b>	056100-5077
<b>NAME OF SUBMITTER:</b>	Zachary Derbyshire
<b>Total Attachments: 4</b> source=056100-5077_Assignment-03292011#page1.tif source=056100-5077_Assignment-03292011#page2.tif source=056100-5077_Assignment-03292011#page3.tif source=056100-5077_Assignment-03292011#page4.tif	

**CH \$40.00 12773500**

**501484370**

**PATENT**  
**REEL: 026045 FRAME: 0716**

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**NOVEL SUGAR TRANSPORTERS**

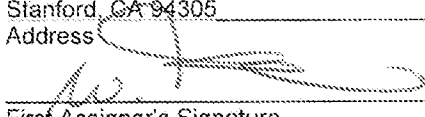
for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on July 21, 2009, (Application No. 12/773,500); and

WHEREAS, Carnegie Institution of Washington, is duly organized and existing under the laws of the District of Columbia, whose post office address is 1530 P Street, N.W., Washington, D.C., 20005, (hereinafter referred to as Assignees), are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignees are hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignees, their lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with the assignees, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignees, their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignees, their successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	<b>Wolf B. Frommer</b> Full Name of First Assignor
State of _____	SS. Carnegie Institution 260 Panama Street Stanford, CA 94305 Address
Subscribed and sworn to before me this ____ day of _____, 2010	 First Assignor's Signature
_____ Notary Public	02/18/2010 Date
Names of additional inventors attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

County of _____	<b>Sylvie Lalonde</b> Full Name of Second Assignor
State of _____	<b>SS.</b> Carnegie Institution 260 Panama Street Stanford, CA 94305 Address
Subscribed and sworn to before me this ____ day of _____, 2010.	_____ Second Assignor's Signature
_____ Notary Public	_____ Date
Names of additional inventors attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

NOVEL SUGAR TRANSPORTERS

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on July 21, 2009, (Application No. 12/773,500); and

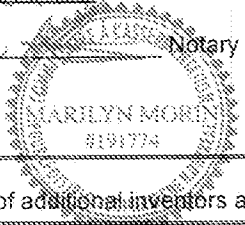
WHEREAS, Carnegie Institution of Washington, is duly organized and existing under the laws of the District of Columbia, whose post office address is 1530 P Street, N.W., Washington, D.C. 20005, (hereinafter referred to as Assignees), are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignees are hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignees, their lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with the assignees, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignees, their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignees, their successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	<u>Wolf B. Frommer</u> Full Name of First Assignor
State of _____	SS. <u>Carnegie Institution</u> <u>260 Panama Street</u> <u>Stanford, CA 94305</u> Address
Subscribed and sworn to before me this ____ day of _____, 2011	_____ First Assignor's Signature
_____ Notary Public	_____ Date
Names of additional inventors attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

County of <u>City of Montreal</u>	<u>Sylvie Lalonde</u> Full Name of Second Assignor
State of <u>Province of Quebec</u>	SS. Carnegie Institution <u>8101 CURE CLERMONT</u> 260 Panama Street <u>ANTOIN, QC, H1K 1X5</u> Stanford, GA 94305 <u>CANADA</u>
Subscribed and sworn to before me this <u>22</u> day of <u>March</u> , 2011.	Address
<u>Marilyn More</u> Notary Public	<u>Sylvie Lalonde</u> Second Assignor's Signature
	<u>02-22-2011</u> Date
Names of additional inventors attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Morgan, Lewis & Bockius LLP