

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>Massimo Merighi</td> <td>03/13/2012</td> </tr> <tr> <td>John M. McCoy</td> <td>03/13/2012</td> </tr> <tr> <td>Matthew Ian Heidtman</td> <td>03/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Massimo Merighi	03/13/2012	John M. McCoy	03/13/2012	Matthew Ian Heidtman	03/13/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Glycosyn LLC</td> </tr> <tr> <td>Street Address:</td> <td>890 Winter Street, Suite 208</td> </tr> <tr> <td>City:</td> <td>Waltham</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02451</td> </tr> </table>		Name:	Glycosyn LLC	Street Address:	890 Winter Street, Suite 208	City:	Waltham	State/Country:	MASSACHUSETTS	Postal Code:	02451
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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>13398526</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13398526						
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CORRESPONDENCE DATA											
<p>Fax Number: (617)542-2241</p> <p>Phone: 617-542-6000</p> <p>Email: cagiordani@mintz.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Daniel W. Clarke</p> <p>Address Line 1: One Financial Center</p> <p>Address Line 2: Mintz Levin P.C.</p> <p>Address Line 4: Boston, MASSACHUSETTS 02111</p>											
ATTORNEY DOCKET NUMBER:	37847-505001US										
NAME OF SUBMITTER:	Daniel W. Clarke										
<p>Total Attachments: 3</p> <p>source=37847505001USassign#page1.tif</p> <p>source=37847505001USassign#page2.tif</p> <p>source=37847505001USassign#page3.tif</p>											

OP \$40.00 13398526

ASSIGNMENT

We, **Massimo Merighi, John M. McCoy, and Matthew Ian Heidtman**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **Glycosyn LLC**, with offices at **890 Winter Street, Suite 208, Waltham, MA 02451**, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

BIOSYNTHESIS OF HUMAN MILK OLIGOSACCHARIDES IN ENGINEERED BACTERIA

filed with the U.S. Patent and Trademark Office on **February 16, 2012** and assigned Application No. **13/398,526**, including any subsequently filed utility applications, which claim priority to Application No. **13/398,526**, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

First Inventor : Massimo Merighi
Application No. : 13/398,526
Filed : February 16, 2012
Page 2 of 3

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 3/13/12

Massimo Merighi
Signature of: Massimo Merighi

State of MASSACHUSETTS

County of MIDDLESEX

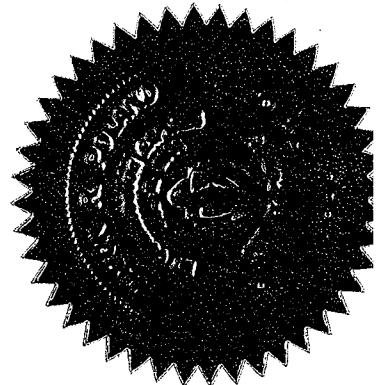
On this 03 day of MARCH, 2002, before me, the undersigned notary public, personally appeared **Massimo Merighi**, proved to me through satisfactory evidence of identification, which was a MA Driver's License to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Jason Poland
Notary Public

My commission expires _____



Jason Poland
Notary Public
Commonwealth of Massachusetts
My Commission Expires
April 11, 2014



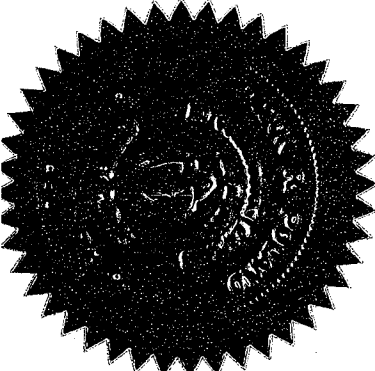
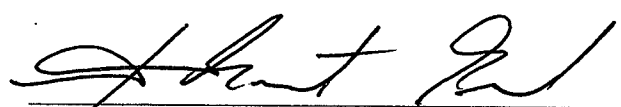
Date: 3/13/2012


Signature of: **John M. McCoy**

State of MASSACHUSETTS

County of MIDDLESEX

On this 13 day of MARCH, 2012, before me, the undersigned notary public, personally appeared **John M. McCoy**, proved to me through satisfactory evidence of identification, which was a MA Driver's License to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.



Notary Public

My commission expires



Jason Poland
Notary Public
Commonwealth of Massachusetts
My Commission Expires
April 11, 2014

Date: 3/13/12


Signature of: **Matthew Ian Heidtman**

State of MASSACHUSETTS

County of MIDDLESEX

On this 13 day of MARCH, 2012, before me, the undersigned notary public, personally appeared **Matthew Ian Heidtman**, proved to me through satisfactory evidence of identification, which was a MA Driver's License to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.



Notary Public

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Jason Poland
Notary Public
Commonwealth of Massachusetts
My Commission Expires
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