

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | |
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| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Richard Bailey</td> <td>02/02/2006</td> </tr> <tr> <td>Joshua Trueheart</td> <td>02/02/2006</td> </tr> <tr> <td>Kevin Madden</td> <td>02/02/2006</td> </tr> </tbody> </table> | | Name | Execution Date | Richard Bailey | 02/02/2006 | Joshua Trueheart | 02/02/2006 | Kevin Madden | 02/02/2006 |
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| Richard Bailey | 02/02/2006 | | | | | | | | |
| Joshua Trueheart | 02/02/2006 | | | | | | | | |
| Kevin Madden | 02/02/2006 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| Name: | MICROBIA | | | | | | | | |
| Street Address: | 320 Bent Street | | | | | | | | |
| City: | Cambridge | | | | | | | | |
| State/Country: | MASSACHUSETTS | | | | | | | | |
| Postal Code: | 02141 | | | | | | | | |
| 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>13586611</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13586611 | | | | |
| Property Type | Number | | | | | | | | |
| Application Number: | 13586611 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 2005862-0071 | | | | | | | | |
| NAME OF SUBMITTER: | Justin P. Huddleson | | | | | | | | |
| Total Attachments: 4 source=Executed_Assignment_1#page1.tif source=Executed_Assignment_1#page2.tif source=Executed_Assignment_1#page3.tif source=Executed_Assignment_1#page4.tif | | | | | | | | | |

OP \$40.00 13586611

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned **Richard BAILEY** of **South Natick, Massachusetts**, **Kevin MADDEN** of **Arlington, Massachusetts**, and **Joshua TRUEHEART** of **Concord, Massachusetts**, hereby

Sells, assigns and transfers to **Microbia**, having a place of business at **320 Bent Street, Cambridge, Massachusetts 02141**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, his/her entire right, title and interest for the United States and all foreign countries; in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "**PRODUCTION OF CAROTENOIDS IN OLEAGINOUS YEAST AND FUNGI**" filed **March 18, 2005**, and given serial number **60/663,621**, in and to said application and all divisional, continuing, substitute, renewal, reissue, reexamination or other application for Letters Patent which has been or shall be filed in the United States or any foreign country on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agrees that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name and when requested, without charge to but at the expense of said ASSIGNEE, agrees to carry out in good faith the intent and purpose of this Assignment by executing all divisional, continuing, substitute, renewal, reissue, reexamination and all other patent applications on any and all said inventions; by executing all rightful declarations, oaths, assignments and other papers; by communicating to said ASSIGNEE all facts known to him/her relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE. Each of the undersigned also hereby appoints ASSIGNEE as its common agent for purposes of prosecuting international patent applications and any material patent applications for which such common agency is recognized.

Hereby requests the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Covenants with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by him/her, and that full right to convey the same as herein expressed is possessed by him/her.

IN WITNESS WHEREOF, I hereto set my hand and seal at Microbia,
this 2nd day of FEBRUARY, 2006.

Richard Bailey
Name: **Richard Bailey**

STATE OF Massachusetts SS.
COUNTY OF Middlesex

Before me this 2nd day of February, 2006, personally appeared **Richard Bailey** known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Elisabeth N. Douglas
NOTARY PUBLIC
Elisabeth N. Douglas
My Commission Expires: 10.19.12

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Microbia,
this 2nd day of February, 2006.

Kevin T. Madden
Name: **Kevin Madden**

STATE OF Massachusetts SS.

COUNTY OF Middlesex

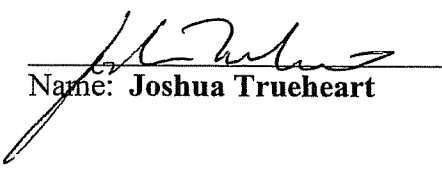
Before me this 2nd day of February, 2006, personally appeared **Kevin Madden** known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Elisabeth M. Douglas
NOTARY PUBLIC

My Commission Expires: 10.19.12

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Microbia,
this 2nd day of February, 2006.


Name: **Joshua Trueheart**

STATE OF Massachusetts

SS.

COUNTY OF Middlesex

Before me this 2nd day of February, 2006, personally appeared **Joshua Trueheart** known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.


NOTARY PUBLIC

Elisabeth M. Douglass

My Commission Expires: 10.19.12

[Notary's Seal Here]