## 503620332 12/21/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3666963

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

## **CONVEYING PARTY DATA**

| Name                  | Execution Date |
|-----------------------|----------------|
| PAUL W BEHRENS        | 01/13/2005     |
| JOHN M THOMPSON       | 01/13/2005     |
| KIRK APT              | 01/13/2005     |
| JOSEPH W PFEIFER III  | 01/13/2005     |
| JAMES P WYNN          | 01/13/2005     |
| JAMES CASEY LIPPMEIER | 01/13/2005     |
| JAOUAD FICHTALI       | 01/17/2005     |
| JON HANSEN            | 01/14/2005     |

## **RECEIVING PARTY DATA**

| Name:           | MARTEK BIOSCIENCES CORPORATION |
|-----------------|--------------------------------|
| Street Address: | 6480 DOBBIN ROAD               |
| City:           | COLUMBIA                       |
| State/Country:  | MARYLAND                       |
| Postal Code:    | 21045                          |

## **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 14975670 |

## **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 240-512-2716

Email: dsmna.ip@dsm.com

Correspondent Name: DSM SERVICES USA INC

Address Line 1: 6480 DOBBIN ROAD

Address Line 2: PATENT DEPT

Address Line 4: COLUMBIA, MARYLAND 21045

ATTORNEY DOCKET NUMBER: 28739-US-CNT[4][1]

NAME OF SUBMITTER: KIMBERLY SAUTER-BRAY, PARALEGAL

SIGNATURE: /Kimberly Sauter-Bray, Paralegal/

503620332 REEL: 037336 FRAME: 0727

PATENT

| DATE SIGNED:                         | 12/21/2015 |
|--------------------------------------|------------|
| Total Attachments: 11                |            |
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PATENT REEL: 037336 FRAME: 0728

## **ASSIGNMENT**

WHEREAS, we, Paul W. Behrens, of 11413 Butterfruit Way, Ellicot City, Maryland 21042, John M. Thompson, of 405 Seminole Avenue, Baltimore, Maryland 21228, Kirk Apt, of 3874 Paul Mill Road, Ellicot City, Maryland 21042, Joseph W. Pfeifer III, of 2420 Twin Knolls Circle, Reisterstown, Maryland 21136, James P. Wynn, of 11040 Wood Elves Way, Columbia, Maryland 21044, James Casey Lippmeier, of 5364 Racegate Run, Columbia, Maryland 21045, Jaouad Fichtali, of 554 Gingermill Lane, Lexington, Kentucky 40509, and Jon Hansen, of 1184 Sheffield Place, Lexington, Kentucky 40509, have invented a certain new and useful invention entitled "PRODUCTION OF HIGH LEVELS OF DHA IN MICROALGAE USING MODIFIED AMOUNTS OF CHLORIDE AND POTASSIUM," for which an application for Letters Patent of the United States has been prepared and filed on October 1, 2004, receiving Serial No. 10/957,075, and further identified as Attorney File No. 2997-60;

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Martek Biosciences Corporation, a Delaware corporation having a place of business at 6480 Dobbin Road, Columbia, Maryland 21045, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than Martek Biosciences Corporation and we are under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Martek Biosciences Corporation, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

PATENT REEL: 037336 FRAME: 0729

| Date: 1/13/05       | By:   | Poul W. B.      | biens |   |
|---------------------|-------|-----------------|-------|---|
|                     | Ť     | Paul W. Behrens |       |   |
| er a.<br>Geografia  |       | 4.1<br>1        |       | 1 |
| STATE OF Many land  | )     |                 |       |   |
| COUNTY OF Baltimore | ) ss. |                 |       |   |

Before me, a Notary Public in and for said County and State, personally appeared Paul W. Behrens, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 13th day of January, 2005.

| Lieuna San Notary Public

My Commission Expires:

Dianna L. Brown, Notary Public Buittmore County

State of Maryland My Commission Expires July 1, 2006

| Date:  | John M. Thompson              |  | nananananananan salah sa |
|--|-------------------------------|--|--|
| TATE OF Maryland)  |                               |  | , <sub>1</sub> , 6   |
| COUNTY OF Hoster ()  Baltinor )  | <b>SS.</b>                    | ************************************** |  |
| Before me, a Notary Public in a hompson, known to me to be the personance when the execute the personance of the persona | n whose name is subscribed to | the foregoing ins                      | trument, and   |

My Commission Expires:

Notary Public

Dianna L. Brown, Notary Public

Ealtimore County

State of Maryland

My Commission Expires July 1, 2006

| Date: //13/05  | By:          | Kl       | A      |    | . †<br> |
|--|--------------|----------|--------|----|---------|
| Annual Control of the |              | Kirk Apt |        | *  |         |
|  |              | e e      | ÷      | v. | ×       |
| STATE OF May land  | )            |          | d-     | Ģ. |         |
| COUNTY OF Baltmore   | )) ss.<br>)) | •        | 1 - A. |    |         |

Before me, a Notary Public in and for said County and State, personally appeared Kirk Apt, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 13th day of Jamany

Notary Public

My Commission Expires:

Dianna L. Brown, Notary Public Baltimore County
State of Maryland

My Commission Expires July 1, 2006

| Date: Jane | vary 13, 2005         | By: See | N Pfeifer III | 4 | JU |
|------------|-----------------------|---------|---------------|---|----|
|            | Maryland<br>Baltinore | ) ss.   |               |   |    |

Before me, a Notary Public in and for said County and State, personally appeared Joseph W. Pfeifer III, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

~ PB

My Commission Expires:

Dianna L. Brown, Notary Public
Baltimore County
State of Maryland

My Commission Expires July 1, 2006

| Date: 1-13-05      | By: James Wynn |          |
|--------------------|----------------|----------|
|                    |                | x &      |
| n (                | ·              | •        |
| STATE OF Many land | )              | <b>V</b> |
| . <i>U</i>         | ) ss.          |          |
| COUNTY OF Butting  |                | 78       |

Before me, a Notary Public in and for said County and State, personally appeared James P. Wynn, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 13th day of Journay, 2005.

Notary Public

Dianna L. Brown, Notary Public-Bultimore County My Commission Expires:\_

State of Maryland My Commission Expires July 1, 2006

| Date: 1/13/05     | Ву:        | 28                         | $\leq$ |   |  |
|-------------------|------------|----------------------------|--------|---|--|
|                   | Jaf        | fes Case <sub>y.</sub> Στρ | pmeier |   |  |
| STATE OF Mayland  | )<br>) ss. | ,                          |        |   |  |
| COUNTY OF Coltina | ) ss.      |                            | ,      | * |  |

Before me, a Notary Public in and for said County and State, personally appeared James Casey Lippmeier, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 13th day of January

Notary Public

My Commission Expires:

Dianna L. Brown, Notary Public
Baltimore County

State of Maryland

My Commission Expires July 1, 2006

Date: 1-17-05

By: Jaouad Fichtali

STATE OF KY

COUNTY OF Clark

State of Clark

Before me, a Notacy Public in and for said County and State, personally appeared Jaouad Fichtali, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 10 day of January, 2005

Notaly Public

My Commission Expires:\_\_\_\_

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01/19/2005 WED 12:13 [TX/RX NO 7331] 4008

PATENT REEL: 037336 FRAME: 0736

| Date: 1/14 | 1/05  | By: Jon Hansen | possession of the second secon |
|------------|-------|----------------|--|
| STATE OF   | KY    | )<br>) ss.     | *  |
| COUNTY OF  | Clark | ) 50.          |  |

Before me, a Notary Public in and for said County and State, personally appeared Jon Hanson, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and scal of office this Way of Jackson, 2005.

Bouch I, Redmon

My Commission Expires:

| Date: 1-17-05 |             | By: Jaouad Fichtali |  |  |  |  |
|---------------|-------------|---------------------|--|--|--|--|
| STATE OF      | KY<br>Clark | )<br>) ss.<br>)     |  |  |  |  |

Before me, a Notary Public in and for said County and State, personally appeared Jaouad Fichtali, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 12 Hoday of January, 2005.

| Secretary Redmon |
| Notaly Public |
| My Commission Expires: | S | 108

| Date: 1/14/05   | By: Jon H | Lansen   |  |  |
|-----------------|-----------|----------|--|--|
| STATE OF KY     | , e       |          |  |  |
| COUNTY OF Clark | ) ss.     | er<br>er |  |  |

Before me, a Notary Public in and for said County and State, personally appeared Jon Hansen, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this Haday of Jacksan, 2005.

Buell, Redmon (Marston)

Notary Public

My Commission Expires: 5/11/08

**RECORDED: 12/21/2015**