

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4685174

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KIRK E. APT	04/30/2009
JOSEPH W. PFEIFER III	05/03/2009
JON MILTON HANSEN	05/05/2009
PAUL WARREN BEHRENS	04/28/2009
ROSS ZIRKLE	04/28/2009
TRACEY LYNN STAHL	04/28/2009
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15790584
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	28599-US-DIV3
NAME OF SUBMITTER:	KIMBERLY SAUTER-BRAY, IP PARALEGAL
SIGNATURE:	/KIMBERLY SAUTER-BRAY/
DATE SIGNED:	11/13/2017

Total Attachments: 7

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: **Kirk E. APT, Joseph W. PFEIFER III, Jon Milton HANSEN, Paul Warren BEHRENS, Ross ZIRKLE and Tracey Lynn STAHL**, hereby sell and assign to **Martek Biosciences Corporation**, a corporation formed under the laws of Delaware, whose mailing address is 6480 Dobbin Road, Columbia, Maryland 21045 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Thraustochytrids, Fatty Acid Compositions, and Methods of Making and Uses Thereof** for which application(s) for patent in the United States of America has a filing date of March 19, 2009 (also known as United States Application No. 12/407,687), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate

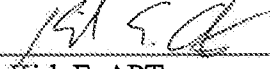
assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 26111** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: 9/30/09 Signature of Inventor: 
Kirk E. APT

Date: _____ Signature of Inventor: _____
Joseph W. PFEIFER III

Date: _____ Signature of Inventor: _____
Jon Milton HANSEN

Date: _____ Signature of Inventor: _____
Paul Warren BEHRENS

Date: _____ Signature of Inventor: _____
Ross ZIRKLE

Date: _____ Signature of Inventor: _____
Tracey Lynn STAHL

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IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: _____

Signature of Inventor: _____

Kirk E. APT

Date: 5/3/09

Signature of Inventor: _____

Joseph W. PFEIFER III

Date: _____

Signature of Inventor: _____

Jon Milton HANSEN

Date: _____

Signature of Inventor: _____

Paul Warren BEHRENS

Date: _____

Signature of Inventor: _____

Ross ZIRKLE

Date: _____

Signature of Inventor: _____

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IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: _____ Signature of Inventor: _____
Kirk E. APT

Date: _____ Signature of Inventor: _____
Joseph W. PFEIFER III

Date: May 5, 2009 Signature of Inventor: [Signature]
Jon Milton HANSEN

Date: _____ Signature of Inventor: _____
Paul Warren BEHRENS

Date: _____ Signature of Inventor: _____
Ross ZIRKLE

Date: _____ Signature of Inventor: _____
Tracey Lynn STAHL

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Date: _____ Signature of Inventor: _____
Kirk E. APT

Date: _____ Signature of Inventor: _____
Joseph W. PFEIFER III

Date: _____ Signature of Inventor: _____
Jon Milton HANSEN

Date: 4/28/09 Signature of Inventor: Paul Warren Behrens
Paul Warren BEHRENS

Date: _____ Signature of Inventor: _____
Ross ZIRKLE

Date: _____ Signature of Inventor: _____
Tracey Lynn STAHL

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Kirk E. APT

Date: _____ Signature of Inventor: _____
Joseph W. PFEIFER III

Date: _____ Signature of Inventor: _____
Jon Milton HANSEN

Date: _____ Signature of Inventor: _____
Paul Warren BEHRENS

Date: 09/28/2009 Signature of Inventor: 
Ross ZIRKLE

Date: _____ Signature of Inventor: _____
Tracey Lynn STAHL

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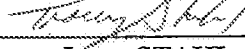
Date: _____ Signature of Inventor: _____
Kirk E. APT

Date: _____ Signature of Inventor: _____
Joseph W. PFEIFER III

Date: _____ Signature of Inventor: _____
Jon Milton HANSEN

Date: _____ Signature of Inventor: _____
Paul Warren BEHRENS

Date: _____ Signature of Inventor: _____
Ross ZIRKLE

Date: 7/25/05 Signature of Inventor: 
Tracey Lynn STAHL

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