

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES G. METZ	06/28/2007
JERRY M. KUNER	06/29/2007
JAMES CASEY LIPPMEIER	05/23/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MARTEK BIOSCIENCES CORPORATION
<b>Street Address:</b>	6480 DOBBIN ROAD
<b>City:</b>	COLUMBIA
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	21045
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12796100
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)371-2540
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<b>Phone:</b>	202-371-2600
<b>Email:</b>	LBRANDES@SKGF.COM
<b>Correspondent Name:</b>	STERNE, KESSLER, GOLDSTEIN & FOX PLLC
<b>Address Line 1:</b>	1100 NEW YORK AVENUE, NW
<b>Address Line 4:</b>	WASHINGTON, DISTRICT OF COLUMBIA 20005
<b>ATTORNEY DOCKET NUMBER:</b>	2715.2230000
<b>NAME OF SUBMITTER:</b>	LORI M. BRANDES

OP \$40.00 12796100

Total Attachments: 6  
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**PATENT  
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ASSIGNMENT

WHEREAS, we, James G. Metz of 542 E. 16th Avenue, Longmont, Colorado 80501, Jerry M. Kumer of 6469 North 63rd Street, Longmont, Colorado 80503 and James Casey Lippmeier of 5364 Racegate Run, Columbia, Maryland 21045, have invented a certain new and useful invention entitled "POLYUNSATURATED FATTY ACID PRODUCTION IN HETEROLOGOUS ORGANISMS USING PUFA POLYKETIDE SYNTHASE SYSTEMS", for which an application for Letters Patent of the United States has been prepared and filed on March 15, 2007, receiving Serial No. 11/686,856, and further identified as Attorney File No. 2997-114;

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.

Date: 6/28/07

By: James G. Metz  
James G. Metz

Date: 6/29/07

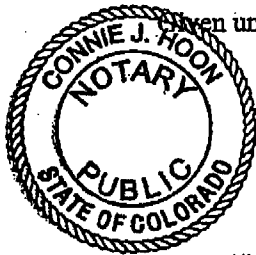
By: Jerry M. Kumer  
Jerry M. Kumer

Date: \_\_\_\_\_

By: \_\_\_\_\_  
James Casey Lippmeier

STATE OF Colorado )  
 ) ss.  
COUNTY OF Boulder )

Before me, a Notary Public in and for said County and State, personally appeared **James G. Metz**, 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.



My Commission Expires 04/11/2010

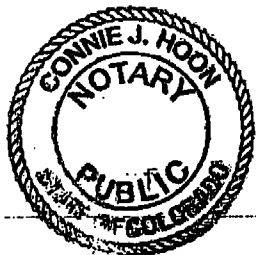
Given under my hand and seal of office this 28<sup>th</sup> day of June 2007.

Connie J. Hoon  
Notary Public

My Commission Expires: 4/11/2010

STATE OF Colorado )  
 ) ss.  
COUNTY OF Boulder )

Before me, a Notary Public in and for said County and State, personally appeared **Jerry M. Kuner**, 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.



My Commission Expires 04/11/2010

Given under my hand and seal of office this 29<sup>th</sup> day of June 2007.

Connie J. Hoon  
Notary Public

My Commission Expires: 4/11/2010

STATE OF )  
 ) ss.  
COUNTY OF )

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 \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

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

ASSIGNMENT

WHEREAS, we, James G. Metz of 542 E. 16th Avenue, Longmont, Colorado 80501, Jerry M. Kuner of 6469 North 63rd Street, Longmont, Colorado 80503 and James Casey Lippmeier of 5364 Racegate Run, Columbia, Maryland 21045, have invented a certain new and useful invention entitled "**POLYUNSATURATED FATTY ACID PRODUCTION IN HETEROLOGOUS ORGANISMS USING PUFA POLYKETIDE SYNTHASE SYSTEMS**", for which an application for Letters Patent of the United States has been prepared and filed on March 15, 2007, receiving Serial No. 11/686,856, and further identified as Attorney File No. 2997-114;

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Date: \_\_\_\_\_ By: \_\_\_\_\_  
James G. Metz

Date: \_\_\_\_\_ By: \_\_\_\_\_  
Jerry M. Kuner

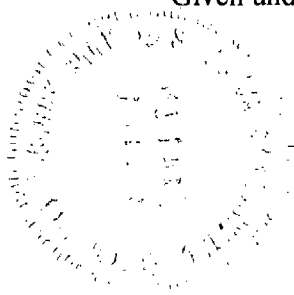
Date: May 23, 2007 By: J. C. L.  
James Casey Lippmeier



STATE OF Maryland )  
 ) ss.  
COUNTY OF Anne Arundel )

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 23<sup>rd</sup> day of May, 2, 2007.



Shawn Conzanters  
Notary Public

My Commission Expires: 4/1/2008