

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3342874

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ELLEN BURKE	05/16/2007
STEVEN JOHN GORT	05/15/2007
PAULA M. HICKS	05/17/2007
PETER LUGINBUHL	05/16/2007
SARA C. MCFARLAN	05/14/2007
TOBY RICHARDSON	05/15/2007
CHRISTOPHER SOLHEID	05/14/2007
DAVID WEINER	05/29/2007
LISHAN ZHAO	05/17/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CARGILL, INCORPORATED
<b>Street Address:</b>	15407 MCGINTY ROAD WEST
<b>City:</b>	WAYZATA
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55391
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14526351
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(952)742-6349
<i>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.</i>	
<b>Phone:</b>	952-742-4185
<b>Email:</b>	patent_docketing@cargill.com
<b>Correspondent Name:</b>	DANIEL J. ENEBO
<b>Address Line 1:</b>	15407 MCGINTY ROAD WEST
<b>Address Line 2:</b>	MS24
<b>Address Line 4:</b>	WAYZATA, MINNESOTA 55391
<b>ATTORNEY DOCKET NUMBER:</b>	CGL06/0039US03
<b>NAME OF SUBMITTER:</b>	EMILY KUSS

PATENT

<b>SIGNATURE:</b>	/Emily Kuss/
<b>DATE SIGNED:</b>	05/07/2015
<b>Total Attachments: 10</b> source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif source=Assignment#page8.tif source=Assignment#page9.tif source=Assignment#page10.tif	

## 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: **Ellen BURKE, Steven John GORT, Paula M. HICKS, Peter LUGINBUHL, Sara C. MCFARLAN, Toby RICHARDSON, Christopher SOLHEID, David WEINER and Lishan ZHAO**, hereby sell and assign to **Cargill, Incorporated**, a corporation formed under the laws of Delaware, who mailing address is 15407 McGinty Road West, Wayzata, Minnesota 55391-5624 (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 **Aldolases, Nucleic Acids Encoding Them and Methods for Making and Using Them** for which application(s) for patent in the United States of America of America (also known as United States Application No. 11/714,909, filed March 7, 2007), 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: 5-16-07 Signature of Inventor: Ellen Burke  
Ellen BURKE

State of CALIFORNIA )  
County of SAN DIEGO )ss.

On MAY 16, 2007, before me, a notary public in and for said country, personally appeared Ellen Burke, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that ~~he/she~~ executed said instrument as ~~his/hers~~ free and voluntary act for the uses and purposes therein set forth.

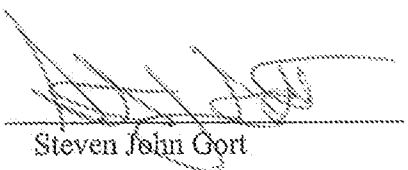
L. Sabido  
Signature of Notary Public

(Seal)

My Commission Expires: FEB. 17, 2011

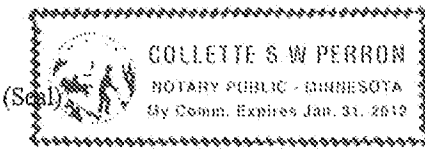


Date: 5/15/07

Signature of Inventor:   
Steven John Gort

State of Minnesota  
County of Hennepin )ss.

On May 15, 2007, before me, a notary public in and for said country, personally appeared John Steven John Gort, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed said instrument as his/her free and voluntary act for the uses and purposes therein set forth.



Collette S. W. Perron  
Signature of Notary Public

My Commission Expires: January 31, 2012

Date: 5/17/07

Signature of Inventor: Paula M. Hicks  
Paula M. HICKS

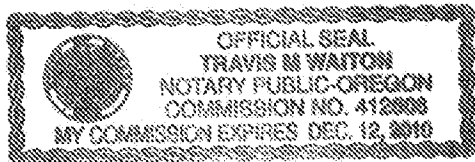
State of Oregon )  
County of Deschutes )ss.

On May 17<sup>th</sup>, 2007, before me, a notary public in and for said country, personally appeared Paula M. Hicks, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

[Signature]  
Signature of Notary Public

My Commission Expires: 12/12/10

(Seal)



Date: 05/16/2007

Signature of Inventor: *P. Luginbuhl*  
Peter LUGINBUHL

State of CALIFORNIA )  
  )ss.  
County of SAN DIEGO )

On MAY 16, 2007, before me, a notary public in and for said country, personally appeared Peter Luginbuhl, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that ~~he~~ she executed said instrument as ~~his~~ her free and voluntary act for the uses and purposes therein set forth.

*L. Sabido*  
Signature of Notary Public

(Seal)

My Commission Expires: FEB. 17, 2011



Date: May 14, 2007

Signature of Inventor: Sara C McFarlan  
Sara C. MCFARLAN

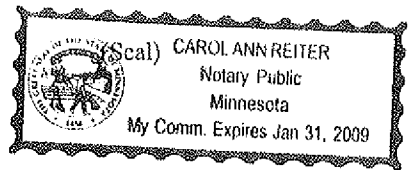
State of Minnesota)

County of Hennepin)ss.

On May 14, 2007, before me, a notary public in and for said country, personally appeared Sara C. McFarlan, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Carol Reiter  
Signature of Notary Public

My Commission Expires: 1-31-2009





Date: 5/15/07

Signature of Inventor: *T.R.*  
Toby RICHARDSON

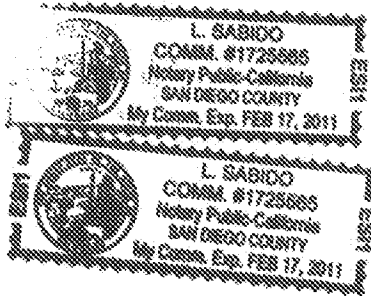
State of CALIFORNIA )  
  )ss.  
County of SAN DIEGO )

On MAY 15, 2007, before me, a notary public in and for said country, personally appeared Toby Richardson, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that ~~he/she~~ executed said instrument as his ~~her~~ free and voluntary act for the uses and purposes therein set forth.

*L. Sabido*  
Signature of Notary Public

My Commission Expires: FEB 17, 2011

(Seal)



Date: 5/14/07

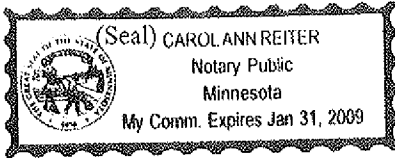
Signature of Inventor: *Christopher Solheid*  
Christopher SOLHEID

State of Minnesota  
County of Hennepin )ss.


On 5/14/07, before me, a notary public in and for said country, personally appeared Christopher Solheid, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

*Carol Reiter*  
Signature of Notary Public

My Commission Expires: 1-31-2009

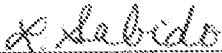


Date: 5/29/07

Signature of Inventor:   
David WEINER

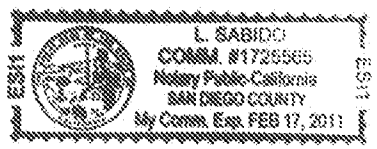
State of CALIFORNIA )  
County of SAN DIEGO )ss.

On MAY 29, 2007, before me, a notary public in and for said country, personally appeared David Weiner, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that ~~he~~ ~~she~~ executed said instrument as ~~his~~ ~~her~~ free and voluntary act for the uses and purposes therein set forth.

  
Signature of Notary Public

(Seal)

My Commission Expires: FEB. 17, 2011

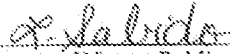


Date: May 17, 2007

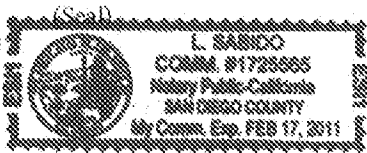
Signature of Inventor:   
Lishan ZHAO

State of CALIFORNIA )  
County of SAN DIEGO )ss.

On MAY 17, 2007, before me, a notary public in and for said country, personally appeared Lishan Zhao, ~~personally known to me or~~ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that ~~he~~ she executed said instrument as ~~his~~ her free and voluntary act for the uses and purposes therein set forth.

  
Signature of Notary Public

My Commission Expires: FEB 17, 2011



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