

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2701460

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>EMILY BOSTWICK-WHITE</td> <td>12/18/2009</td> </tr> <tr> <td>CHERIE WILSON</td> <td>12/18/2009</td> </tr> <tr> <td>MARK BERGGREN</td> <td>12/18/2009</td> </tr> <tr> <td>ROBERT ZUBRIN</td> <td>12/18/2009</td> </tr> </tbody> </table>		Name	Execution Date	EMILY BOSTWICK-WHITE	12/18/2009	CHERIE WILSON	12/18/2009	MARK BERGGREN	12/18/2009	ROBERT ZUBRIN	12/18/2009
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>PIONEER ASTRONAUTICS</td> </tr> <tr> <td>Street Address:</td> <td>11111 WEST 8TH AVENUE, UNIT A</td> </tr> <tr> <td>City:</td> <td>LAKEWOOD</td> </tr> <tr> <td>State/Country:</td> <td>COLORADO</td> </tr> <tr> <td>Postal Code:</td> <td>80215</td> </tr> </table>		Name:	PIONEER ASTRONAUTICS	Street Address:	11111 WEST 8TH AVENUE, UNIT A	City:	LAKEWOOD	State/Country:	COLORADO	Postal Code:	80215
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CORRESPONDENCE DATA											
<p>Fax Number:</p> <p>Email: <a href="mailto:jslate@merchantgould.com">jslate@merchantgould.com</a></p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: MERCHANT &amp; GOULD P.C.</p> <p>Address Line 1: P.O. BOX 2903</p> <p>Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903</p>											
ATTORNEY DOCKET NUMBER:	40816.0003USC1										
NAME OF SUBMITTER:	CARA L. CROWLEY-WEBER, #58174										
Signature:	/Cara L. Crowley-Weber/										
Date:	01/28/2014										
<p>Total Attachments: 3</p> <p>source=COPY_ASSIGNMENT_12504913_40816_0003USC1#page1.tif</p> <p>source=COPY_ASSIGNMENT_12504913_40816_0003USC1#page2.tif</p> <p>source=COPY_ASSIGNMENT_12504913_40816_0003USC1#page3.tif</p>											

PATENT

Attorney Docket: 0250.03/US

**ASSIGNMENT**

WHEREAS, the undersigned inventor(s) (referred to, collectively, if more than one, as "Assignor") have made an invention entitled "Novel Methods of Higher Alcohol Synthesis" for which an application for United States Letters Patent was filed on July 17, 2009 as Application Serial No. 12/504,913, and

WHEREAS, Pioneer Astronautics a Colorado Corporation ("Assignee") having a place of business at 11111 West 8th Avenue, Unit A, Lakewood, CO 80215, desires to acquire all right, title and interest in and to the above identified invention and application;

NOW, THEREFORE, Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby sell, assign, convey and transfer unto Assignee all right, title and interest in and to the above identified invention and application, together with all corresponding foreign applications and patents which may be filed thereon, including the right to claim priority from the above identified United States application; and Assignor hereby agrees that Assignor will sign all lawful papers, including, without limitation, all divisional, continuation, renewal, extension and reissue applications, and make all rightful oaths in execution thereof, and will generally do everything possible to aid Assignee, its successors, assigns and nominees to obtain and enforce proper protection for the invention in all countries, this obligation to be binding upon Assignor (each and severally, if more than one) and upon Assignor's personal representative or other legal successor.

IN TESTIMONY WHEREOF, the undersigned Assignor (and each of them, if more than one) has signed below.

Date: 12/18/09



Address:

Emily Bostwick-White  
3665 Quail Street  
Wheat Ridge, CO 80033

STATE OF Colorado )


COUNTY OF Jefferson )

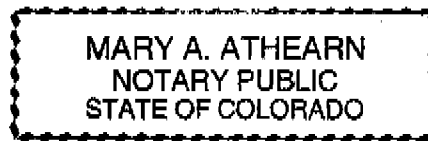
ss.

The foregoing instrument was acknowledged before me this 18<sup>th</sup> day of December, 2009, by Emily Bostwick-White.

Witness my hand and official seal.

My commission expires: 12/10/12

  
Notary Public



My Commission Expires 12/10/2012

Date: 12/18/09

Cherie Wilson

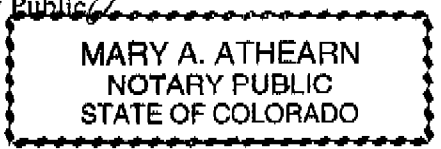
Address: Cherie Wilson  
1111 West 8th Avenue, Unit A  
Lakewood, CO 80215

STATE OF Colorado )  
COUNTY OF Jefferson ) ss.

The foregoing instrument was acknowledged before me this 18<sup>th</sup> day of December, 2009, by Cherie Wilson.

Witness my hand and official seal.  
My commission expires: 12/10/12

Mary A. Athearn  
Notary Public



Date: 12/18/09

Mark H. Berggren

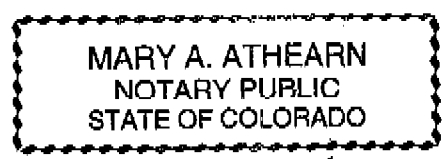
Address: Mark H. Berggren  
30 Conifer Road  
Golden, CO 80401

STATE OF Colorado )  
COUNTY OF Jefferson ) ss.

The foregoing instrument was acknowledged before me this 18<sup>th</sup> day of December, 2009, by Mark H. Berggren.

Witness my hand and official seal.  
My commission expires: 12/10/12

Mary A. Athearn  
Notary Public



Date: Dec 18, 2009

*[Handwritten Signature]*  
Robert Zubrin, Ph.D.  
4446 Parmalee Gulch Road  
Indian Hills, CO 80454

Address:

STATE OF Colorado )

COUNTY OF Jefferson )

ss.

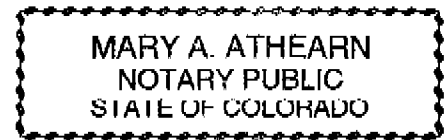
The foregoing instrument was acknowledged before me this 18<sup>th</sup> day of December, 2009,  
by Robert Zubrin, Ph.D.

Witness my hand and official seal.

My commission expires: 12/10/12

*Mary A. Athearn*  
Notary Public

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My Commission Expires 12/10/2012