

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Robert M Zubrin</td><td>05/09/2011</td></tr><tr><td>Mark H Berggren</td><td>05/09/2011</td></tr></tbody></table>		Name	Execution Date	Robert M Zubrin	05/09/2011	Mark H Berggren	05/09/2011
Name	Execution Date						
Robert M Zubrin	05/09/2011						
Mark H Berggren	05/09/2011						
RECEIVING PARTY DATA							
Name:	Pioneer Energy, Inc.						
Street Address:	11111 West 8th Avenue, Unit A						
City:	Lakewood						
State/Country:	COLORADO						
Postal Code:	80215						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13100274</td></tr></tbody></table>		Property Type	Number	Application Number:	13100274		
Property Type	Number						
Application Number:	13100274						
CORRESPONDENCE DATA							
Fax Number: (866)755-5714 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	RZ-013						
NAME OF SUBMITTER:	Daniar Hussain						
Total Attachments: 3 source=RZ-013_Assignment#page1.tif source=RZ-013_Assignment#page2.tif source=RZ-013_Assignment#page3.tif							

OP \$40.00 13100274

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PATENT
REEL: 026524 FRAME: 0644

Docket No. RZ-013

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, **ROBERT M. ZUBRIN**, a citizen of the United States, residing at 834 Braun Ct., Golden, CO 80401, and **MARK H. BERGGREN**, a citizen of the United States, residing at 30 Conifer Road, Golden, CO 80401, have invented certain inventions and improvements disclosed in an application for patent entitled "**METHODS FOR GENERATING ELECTRICITY FROM CARBONACEOUS MATERIAL WITH SUBSTANTIALLY NO CARBON DIOXIDE EMISSIONS**" filed in the United States Patent and Trademark Office on May 3, 2011 and assigned U.S. Serial No. 13/100,274;

WHEREAS, **PIONEER ENERGY, INC.**, a corporation of the State of Colorado having a principal place of business at 11111 West 8th Avenue, Unit A, Lakewood, CO 80215, is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **ROBERT M. ZUBRIN** and **MARK H. BERGGREN**, by these presents do sell, assign and transfer unto **PIONEER ENERGY, INC.**, the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, or reissue thereof, to **PIONEER ENERGY, INC.**, as the assignee, for its interest and for the sole use and benefit of **PIONEER ENERGY, INC.**, and its assigns and legal representatives;

Docket No. RZ-013

For the same consideration, we, by these presents do sell, assign, and transfer to **PIONEER ENERGY, INC.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **PIONEER ENERGY, INC.**, or its designee insofar as permitted by applicable law.

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **PIONEER ENERGY, INC.**, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.



ROBERT M. ZUBRIN**STATE OF COLORADO**

Before me, a Notary Public in and for the State of Colorado, on this 9th day of May 2011, personally appeared **ROBERT M. ZUBRIN**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



NOTARY PUBLIC

(SEAL)

My Commission Expires: Sept 17, 2014

KATHRYN A. GARDNER
NOTARY PUBLIC
STATE OF COLORADO

My Commission Expires: 09/17/2014

PATENT**REEL: 026524 FRAME: 0646**

Docket No. RZ-013



MARK H. BERGGREN**STATE OF COLORADO**

Before me, a Notary Public in and for the State of Colorado, on this 9th day of May 2011, personally appeared **MARK H. BERGGREN**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



NOTARY PUBLIC

(SEAL)

My Commission Expires: Sept 17, 2014