

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Craig D. Eastman</td> <td>10/10/2012</td> </tr> <tr> <td>Douglas R. Hole</td> <td>10/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Craig D. Eastman	10/10/2012	Douglas R. Hole	10/10/2012
Name	Execution Date						
Craig D. Eastman	10/10/2012						
Douglas R. Hole	10/10/2012						
RECEIVING PARTY DATA							
Name:	Principle Energy Solutions Inc.						
Street Address:	#107, 10835 - 120 Street						
City:	Edmonton, Alberta						
State/Country:	CANADA						
Postal Code:	T5H 3P9						
PROPERTY NUMBERS Total: 2							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13359269</td> </tr> <tr> <td>Application Number:</td> <td>13597196</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13359269	Application Number:	13597196
Property Type	Number						
Application Number:	13359269						
Application Number:	13597196						
CORRESPONDENCE DATA							
Fax Number:	2062240779						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(206)682-8100						
Email:	efiling@cojk.com						
Correspondent Name:	Kevan L. Morgan, Esq.						
Address Line 1:	Christensen O'Connor Johnson Kindness						
Address Line 2:	1420 Fifth Avenue, Suite 2800						
Address Line 4:	Seattle, WASHINGTON 98101-2347						
ATTORNEY DOCKET NUMBER:	THAS139997/40439						
NAME OF SUBMITTER:	Kevan L. Morgan						
Total Attachments: 3 source=39997_Assignment#page1.tif source=39997_Assignment#page2.tif source=39997_Assignment#page3.tif							

OP \$80.00 13359269

For good and valuable consideration by ASSIGNEE to ASSIGNOR, the receipt of which is hereby acknowledged,

ASSIGNORS:

**Craig D. Eastman**  
826 Burley Close  
Edmonton, Alberta  
T6R 1W9  
Nationality: **Canadian**

**Douglas R. Hole**  
#107, 10835 – 120 Street  
Edmonton, Alberta  
T5H 3P9  
Nationality: **Canadian**

hereby sells, assigns and transfers to

ASSIGNEE:

**Principle Energy Solutions Inc.**  
#107, 10835 – 120 Street  
Edmonton, Alberta  
T5H 3P9  
Nationality: **Canadian**

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for Canada, the United States and its territorial possessions, and the entire world, including all rights to claim priority, and in and to any and all improvements which are disclosed in the following inventions:

United States application no. **13/359,269** filed **January 26, 2012**

Title: **High Efficiency Electromagnetic Radiation Collection Method and Device**

United States application no. **13/597,196** filed **August 28, 2012**

Title: **Methods and Devices for the Production of Hydrocarbons from Carbon and Hydrogen Sources**

United States Provisional application no. **61/637,787** filed **April 24, 2012**

Title: **High Efficiency Solar Energy Collection and Conversion**

United States Provisional application no. **61/653,505** filed **May 31, 2012**

Title: **Hydrogen Sulfide Electrochemical Processing System**

United States Provisional application no. **61/653,517** filed **May 31, 2012**

Title: **Integrated Multi Fuel Electrochemical System**

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent issued or re-examination thereof.

**PATENT**

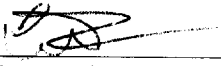
**REEL: 029448 FRAME: 0946**


ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Signature of ASSIGNORS

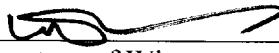
Oct 10<sup>th</sup>, 2012  
Date

  
Witness signature

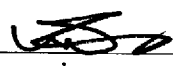
  
Craig D. Eastman


STATEMENT BY WITNESS

I, Wendy Teloz, whose full post office address is 6132-157 ave, Edmonton Alberta, Canada, was personally present and did see **Craig D. Eastman** who is known to me execute the above assignment.

  
Signature of Witness

OCT 10, 2012  
Date

  
Witness signature

  
Douglas R. Hole

STATEMENT BY WITNESS

I, Wendy Teloz, whose full post office address is 6132-157 ave, Edmonton Alberta, Canada, was personally present and did see **Douglas R. Hole** who is known to me execute the above assignment.

Signature of Witness