

PATENT ASSIGNMENT

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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>Mingqiang Yi</td> <td>02/14/2012</td> </tr> <tr> <td>Gabriel Matus</td> <td>01/30/2012</td> </tr> <tr> <td>Matthew L. Scullin</td> <td>01/30/2012</td> </tr> <tr> <td>Chii Guang Lee</td> <td>01/30/2012</td> </tr> <tr> <td>Sylvain Muckenhirn</td> <td>01/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mingqiang Yi	02/14/2012	Gabriel Matus	01/30/2012	Matthew L. Scullin	01/30/2012	Chii Guang Lee	01/30/2012	Sylvain Muckenhirn	01/30/2012
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RECEIVING PARTY DATA													
Name:	Alphabet Energy, Inc.												
Street Address:	26225 Eden Landing Road, Suite D												
City:	Hayward												
State/Country:	CALIFORNIA												
Postal Code:	94545												
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>13308945</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13308945								
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Application Number:	13308945												
CORRESPONDENCE DATA													
Fax Number:	(212)755-7306												
Phone:	650-687-4124												
Email:	sltorres@jonesday.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Daniel H. Mao												
Address Line 1:	222 East 41st Street												
Address Line 4:	New York, NEW YORK 10017-6702												
ATTORNEY DOCKET NUMBER:	012805-0004-999												
NAME OF SUBMITTER:	Daniel H. Mao												
Total Attachments: 2 source=Assignment_4#page1.tif source=Assignment_4#page2.tif													

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ASSIGNMENT

WHEREAS, WE, Mingqiang YI, a citizen of the United States with an address at 2580 Tara Hills Drive, San Pablo, CA 94806; Gabriel MATUS, a citizen of the United States with an address at 1655 Mission Street, #429, San Francisco, CA 94103; Matthew L. SCULLIN, a citizen of the United States with an address at 239 8th Street, Suite 12, San Francisco, CA 94103; Chii Guang LEE, a citizen of the United States with an address at 746 Solstice Court, Fremont, CA 94539; and Sylvain MUCKENHIRN, a citizen of France with an address at 3846 Center Avenue, Santa Barbara, CA 93110; collectively ASSIGNORS, are the inventors of the invention in LOW THERMAL CONDUCTIVITY MATRICES WITH EMBEDDED NANOSTRUCTURES AND METHODS THEREOF for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or
 which is identified by Jones Day docket no. 012788-0004-999
 which was filed on December 1, 2011, Application No. 13/308,945
 We hereby authorize and request attorney(s) at Jones Day to insert here in parentheses (Application number, _____ filed _____) the filing date and application number of said application when known.

and WHEREAS, ALPHABET ENERGY, INC., a California corporation, located at 26225 Eden Landing Road, Suite D, Hayward, CA 94545, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention 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; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

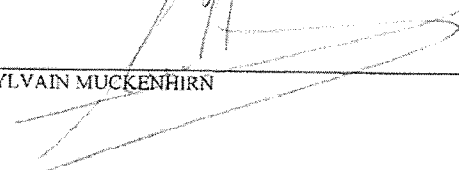
AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and Seals the day and year set opposite our respective signatures.

Date 2/14, 2012 MINGQIANG YI
Date 1/30, 2012 GABRIEL MATUS

Date 1/30, 2012 
MATTHEW L. SCULLIN

Date 1/30/2012, 2012 
CHI GUANG LEE

Date 1/30/2012, 2012 
SYLVAIN MUCKENHIRN