

## 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>Sun-Dong KIM</td> <td>08/07/2013</td> </tr> <tr> <td>Sang-Kuk WOO</td> <td>08/07/2013</td> </tr> <tr> <td>Se-Young KIM</td> <td>08/07/2013</td> </tr> <tr> <td>Jong-Hoon JOO</td> <td>08/07/2013</td> </tr> <tr> <td>In-Sub HAN</td> <td>08/07/2013</td> </tr> <tr> <td>Doo-Won SEO</td> <td>08/07/2013</td> </tr> <tr> <td>Min-Soo SUH</td> <td>08/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sun-Dong KIM	08/07/2013	Sang-Kuk WOO	08/07/2013	Se-Young KIM	08/07/2013	Jong-Hoon JOO	08/07/2013	In-Sub HAN	08/07/2013	Doo-Won SEO	08/07/2013	Min-Soo SUH	08/07/2013
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<table border="1"> <tr> <td>Name:</td> <td>KOREA INSTITUTE OF ENERGY RESEARCH</td> </tr> <tr> <td>Street Address:</td> <td>71-2, Jang-dong, Yuseong-gu</td> </tr> <tr> <td>City:</td> <td>Daejeon</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>305-343</td> </tr> </table>		Name:	KOREA INSTITUTE OF ENERGY RESEARCH	Street Address:	71-2, Jang-dong, Yuseong-gu	City:	Daejeon	State/Country:	KOREA, REPUBLIC OF	Postal Code:	305-343						
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CORRESPONDENCE DATA																	
<p>Fax Number: 7034250644  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7039090292        Email: mail@revolutioniplaw.com        Correspondent Name: Revolution IP, PLLC        Address Line 1: 5234 Capon Hill Place        Address Line 4: Burke, VIRGINIA 22015</p>																	
ATTORNEY DOCKET NUMBER:	02250-1007																

OP \$40.00 13961911

NAME OF SUBMITTER:	Sangwon Kim
Signature:	/sangwon kim/
Date:	08/08/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p><b>Total Attachments: 4</b></p> <p>source=3-02250-1007DeclarationandAssignment#page1.tif</p> <p>source=3-02250-1007DeclarationandAssignment#page2.tif</p> <p>source=3-02250-1007DeclarationandAssignment#page3.tif</p> <p>source=3-02250-1007DeclarationandAssignment#page4.tif</p>	

REVOLUTION IP, PLLC  
Attorneys At Law

Attorney Docket No.: 02250-1007  
Client Docket No.: P201307-001US

**ASSIGNMENT SERVING AS DECLARATION PER 37 C.F.R. § 1.63(e)**

Title of  
Invention:

INTERNAL CURRENT COLLECTION STRUCTURE OF THERMAL  
TO ELECTRIC CONVERTING CELL AND MANUFACTURING  
METHOD OF THE SAME

As a below named inventor and Assignor, I declare that:

This assignment and declaration are directed to:

- ☒ The attached application, or  
☐ United States application or PCT international application number  
\_\_\_\_\_ filed on \_\_\_\_\_

The above-identified Application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in the Application;

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

**KOREA INSTITUTE OF ENERGY RESEARCH**  
71-2, Jang-dong, Yuseong-gu,  
Daejeon 305-343 Republic of Korea

**KOREA INSTITUTE OF ENERGY RESEARCH** herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the

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Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

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 Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Inventor and Assignor has hereunto set hand and seal.

First Inventor's and Assignor's Name: **KIM, Sun-Dong**

Address: 703-2140, Banseokmaeul Apt.,  
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Daejeon 305-750 Republic of Korea

First Inventor's and Assignor's Signature: \_\_\_\_\_

*Sun-Dong Kim*

Date: \_\_\_\_\_

*2013 / 08 / 07*

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Attorneys At Law

Attorney Docket No.: 02250-1007  
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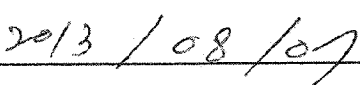
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Second Inventor's and Assignor's  
Signature: \_\_\_\_\_



Date: \_\_\_\_\_



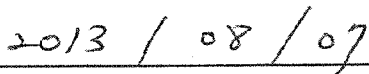
Third Inventor's and Assignor's Name: **KIM, Se-Young**

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Third Inventor's and Assignor's Signature: \_\_\_\_\_



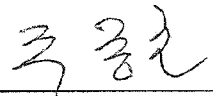
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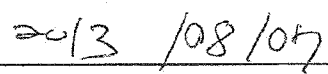
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Fourth Inventor's and Assignor's  
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Date: \_\_\_\_\_



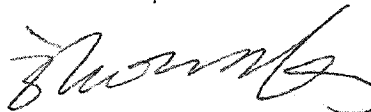
**REVOLUTION IP, PLLC**  
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Fifth Inventor's and Assignor's Signature: \_\_\_\_\_



Date: \_\_\_\_\_

2013/08/07

Sixth Inventor's and Assignor's Name: **SEO, Doo-Won**

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Sixth Inventor's and Assignor's Signature: \_\_\_\_\_



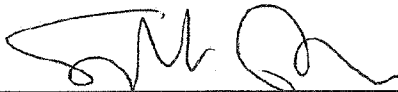
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2013/08/07

Seventh Inventor's and Assignor's Name: **SUH, Min-Soo**

Address: 105-1103, Hanbat Xi Apt.,  
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Daejeon 300-717 Republic of Korea

Seventh Inventor's and Assignor's  
Signature: \_\_\_\_\_



Date: \_\_\_\_\_

2013/08/07