

## 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>Kenta TAKAGI</td> <td>11/06/2012</td> </tr> <tr> <td>Kimihiro OZAKI</td> <td>11/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kenta TAKAGI	11/06/2012	Kimihiro OZAKI	11/06/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>National Institute of Advanced Industrial Science and Technology</td> </tr> <tr> <td>Street Address:</td> <td>3-1, Kasumigaseki 1-chome</td> </tr> <tr> <td>City:</td> <td>Chiyoda-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>100-8921</td> </tr> </table>		Name:	National Institute of Advanced Industrial Science and Technology	Street Address:	3-1, Kasumigaseki 1-chome	City:	Chiyoda-ku, Tokyo	State/Country:	JAPAN	Postal Code:	100-8921
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PROPERTY NUMBERS Total: 1											
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Application Number:	13678635										
CORRESPONDENCE DATA											
<p>Fax Number: 6032267499  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 603-226-7490        Email: cpickering@davisandbujold.com        Correspondent Name: Davis &amp; Bujold, P.L.L.C.        Address Line 1: 112 Pleasant Street        Address Line 4: Concord, NEW HAMPSHIRE 03301</p>											
ATTORNEY DOCKET NUMBER:	ADACHI P323US										
NAME OF SUBMITTER:	Michael J. Bujold										
<p>Total Attachments: 2        source=p323us-assignment-niaist#page1.tif        source=p323us-assignment-niaist#page2.tif</p>											

OP \$40.00 13678635

## ASSIGNMENT OF INVENTION

For: ☒ U.S. and/or ☐ Foreign Rights  
For: ☒ U.S. Application or ☐ U.S. Patent  
By: ☒ Inventor(s) or ☐ Present Owner

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR:

Kenta TAKAGI and Kimihiro OZAKI

hereby sells, assigns and transfers to ASSIGNEE:

National Institute of Advanced Industrial Science and Technology  
3-1, Kasumigaseki 1-chome  
Chiyoda-ku, Tokyo 100-8921, JAPAN

and the successors, assigns and legal representatives of the ASSIGNEE

- ☒ the entire right, title and interest in the United States of America
- ☒ and in all foreign countries, including all rights to claim priority,

in and to any and all improvements which are disclosed in the invention entitled **THERMOELECTRIC CONVERSION ELEMENT, MANUFACTURING METHOD FOR THE THERMOELECTRIC CONVERSION ELEMENT, AND THERMOELECTRIC CONVERSION MODULE** and which is found in:

- ☒ U.S. Application executed on even date(s) herewith.
- ☐ U.S. Application serial no. \_\_\_\_\_ filed on \_\_\_\_\_.

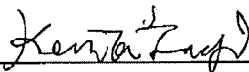
and, in and to, all Letters Patent to be obtained for said invention by the above application/patent or any continuation(s), division(s), renewal(s), or substitute(s) thereof, and as to the Letters Patent concerning any reissue or re-examination thereof;

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 be promptly provided, upon ASSIGNEE's request, with all pertinent facts and documents relating to said invention and said Letters Patent and any legal equivalents thereof as may be known and/or accessible to ASSIGNOR and will testify about the same in any interference, litigation or other proceeding related thereto and will promptly execute and deliver to ASSIGNEE, or its legal representatives, any and all papers, instruments and/or affidavits required to apply for, obtain, maintain, issue and/or enforce said patent application, said invention and said Letters Patent and/or any equivalents thereof which may be necessary or desirable to carry out the purposes thereof without any further consideration of any kind being required to be paid by ASSIGNEE.

IN WITNESS WHEREOF, We have hereunto set hand this

Date: November 6, 2012

  
Kenta TAKAGI

Date: November 6, 2012

  
Kimihiro OZAKI